Received Nov. 10 - 1925 -

ELECTRICAL HOUSE GOODS

THE ANSONIA ELECTRICAL CO.
ANSONIA, CONN.

AVERY LIBRARY
COLUMBIA UNIVERSITY

Electrical House Goods

The Ansonia Electrical Co.
Ansonia, Conn.

THE ANSONIA ELECTRICAL CO.

From the start in 1878 THE ANSONIA ELECTRICAL COMPANY has aimed to build its reputation based on QUALITY. In all products manufactured by us we have borne this in mind and believe that the standing which "Ansonia" products have with the electrical trade is strong evidence that the "Quality Policy" is appreciated.

In this catalog we are showing our entire line of electrical household goods in which "ANSONIA QUALITY" holds throughout, and carries with it our guarantee of satisfaction which can only be given through the use of high grade material and workmanship.

THE ANSONIA ELECTRICAL CO.

ELECTRICAL HOUSE GOODS

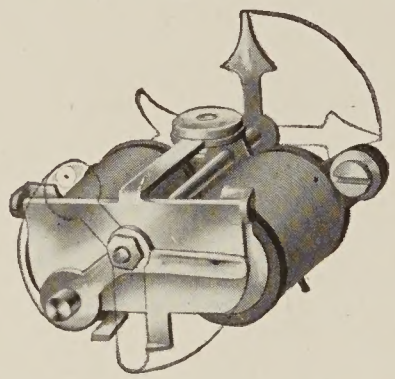
15
zpct

Annunciators

THE ANSONIA ELECTRICAL CO.
ANSONIA, CONN.

ANSONIA Needle Indicating Annunciators are the most simple, durable, and reliable annunciators on the market. Working on the principle of gravity, they have no springs or other unreliable parts to get out of order causing unnecessary trouble, they are absolute in action and will not shake down under the most severe conditions to which annunciators are subjected, unless released by electrical impulse.

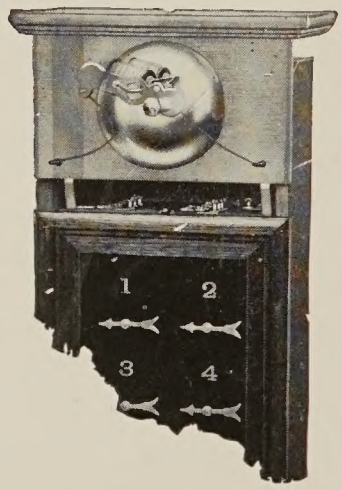
The pointer is of aluminum highly polished with an obliquely slotted hole to receive the arbor and is bolted firmly in place, thereby insuring alignment at all times, the indication is made by a full quarter turn, as shown in the cut, making the reading an easy matter.



The hinge or bearing on which the armature hangs is of brass, nickeled, and is forced tightly over the core heads, providing a perfectly level support for the armature, assuring freedom of action at the same time holding the coils rigidly in place, making the drop solid and compact.

A glance at the accompanying illustration of the drop (which is used exclusively in all of our needle indicating annunciators) will convince you of the foregoing claim and a thorough examination of same will prove to you the perfection of its mechanical construction.

You will note that the top of the annunciator and the upper face board, upon which the bell is mounted, are fastened together, same being specially tongued and grooved so that it can be easily removed, at the same time eliminating all unsightly joints in the woodwork on the face of the cabinet; this also does away with the use of hinges or screws which usually mar the general appearance.



It is unnecessary to disturb the signal bell connections as same go in and out of the circuit automatically, the binding screws on the inner side of the bell support engaging the upright springs shown in the cut; this arrangement makes installation of our annunciator an easy matter and readjustment as well as changes in connections easily accomplished.

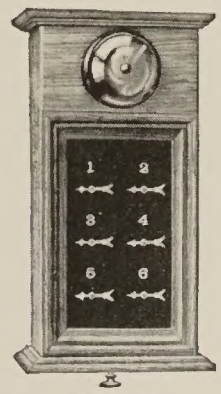
All of our annunciators are adjusted to work with bell-ringing transformers.

Annunciators listed on the following pages can be obtained through any of the electrical supply jobbers.

REGULAR HOUSE STYLE

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
301	3	1	3	5½″	12″	$12.00
302	4	2	2	7¼″	11¼″	13.00
303	6	2	3	7¼″	13¼″	18.00
304	8	2	4	7¼″	15¼″	20.00
305	10	2	5	7¼″	17¼″	23.00
306	12	3	4	9¼″	15¼″	27.00
307	14	4	4	11¼″	15¼″	30.00
308	16	4	4	11¼″	15¼″	33.00
309	20	4	5	11¼″	17¼″	37.00

Additions to list prices for equipping with electric setback shown on page 9.
Oak carried in stock, other woods will be furnished if desired.

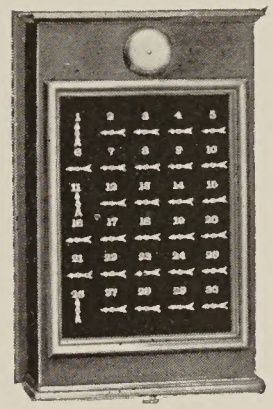


No. 303

REGULAR HOTEL STYLE

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
310	25	5	5	14″	18½″	$53.00
311	30	5	6	14″	20¾″	63.00
312	36	6	6	16″	20¾″	76.00
313	42	6	7	16″	22¾″	88.00
314	49	7	7	18″	22¾″	103.00
315	56	7	8	18″	24¾″	117.00

Additions to list prices for equipping with electric setback shown on page 9.
The above are not-hinged back.
If the above are desired fitted with hinged back, they can be supplied and the cost of same may be determined by adding 40% to the list prices.

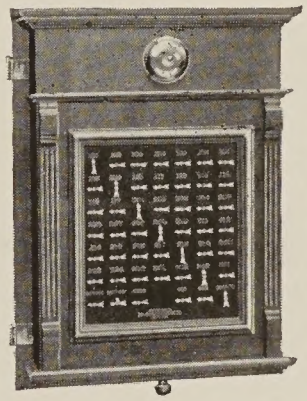


No. 311

STYLE B HOTEL

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
388	20	4	5	20″	28″	$96.00
389	25	5	5	22″	28″	102.00
390	30	5	6	22″	30½″	108.00
391	36	6	6	24″	30½″	120.00
392	42	6	7	24″	32½″	128.00
393	49	7	7	26″	32½″	144.00
394	56	7	8	26″	34½″	156.00
395	64	8	8	28″	34½″	172.00
396	72	8	9	28″	36½″	192.00
397	81	9	9	30″	36½″	216.00
398	90	9	10	30″	38½″	242.00
399	100	10	10	32″	38½″	288.00

Additions to list prices for equipping with electric setback shown on page 9.
Oak cases up to 80 drops carried in stock.
Other finishes may be supplied.
Style "B" annunciators are fitted with hinged back cabinet made cases.

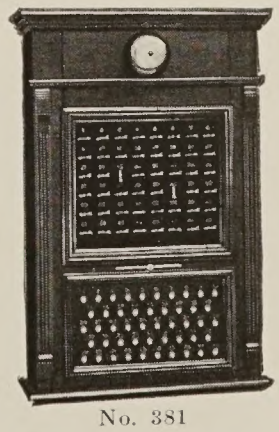


No. 393

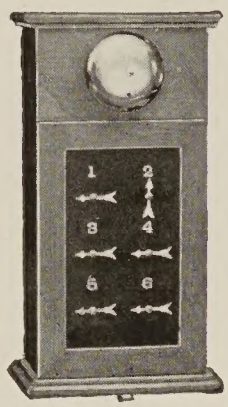
STYLE B, RETURN CALL

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
376	20	5	4	22″	37½″	$110.00
377	25	5	5	22″	41″	120.00
378	30	6	5	24″	41″	140.00
379	36	6	6	24″	44½″	160.00
380	42	7	6	26″	44½″	180.00
381	48	8	6	28″	44½″	200.00
382	56	8	7	28″	48″	230.00
383	63	9	7	30″	48″	246.00
384	72	9	8	30″	51½″	270.00
385	80	10	8	32″	51½″	300.00
386	90	10	9	32″	55″	330.00
387	110	11	10	34″	58½″	390.00

Additions to list prices for equipping with electric setback shown on page 9.
It is fitted with a removable return call panel and is so arranged that all connections are made or changed without removing from the wall.
Oak cases up to 80 drops carried in stock. Return call panels are numbered to correspond to the drops in gold, bronze, or black, as desired. Furnished with plain removable panel for the installation of telephone jacks, when desired; prices on application.



No. 381

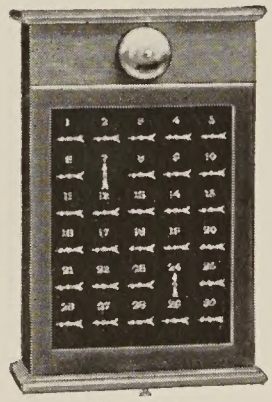


No. 318

STYLE C, HOUSE

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
316	3	1	3	5½″	12″	$13.00
317	4	2	2	7¼″	11¼″	14.00
318	6	2	3	7¼″	13¼″	19.40
319	8	2	4	7¼″	15¼″	23.40
320	10	2	5	7¼″	17¼″	28.00
321	12	3	4	9¼″	15¼″	32.00
322	16	4	4	11¼″	15¼″	37.00
323	20	4	5	11¼″	17¼″	39.00

Additions to list prices for equipping with electric setback shown on page 9.
Oak and stained mahogany carried in stock.
Lettering will be done in gold bronze.

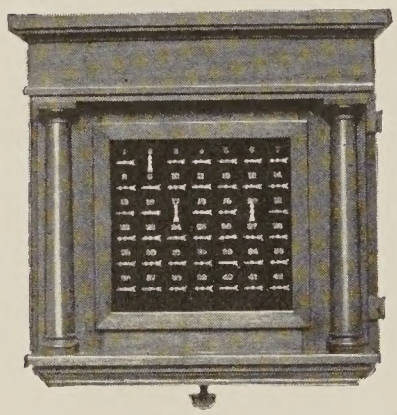


No. 325

STYLE C, HOTEL

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
324	25	5	5	14″	18½″	$58.00
325	30	5	6	14″	20¾″	68.00
326	36	6	6	16″	20¾″	81.00
327	42	6	7	16″	22¾″	93.00
328	49	7	7	18″	22¾″	108.00
329	56	7	8	18″	24¾″	122.00

Additions to list prices for equipping with electric setback shown on page 9.
Not made larger than 56 drops.
Oak and stained mahogany carried in stock.
If the above are desired fitted with hinged back they can be supplied and the cost of same may be determined by adding 40% to the list prices.

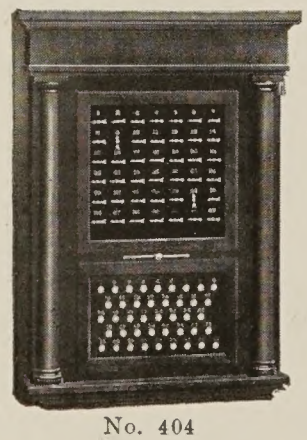


No. 416

STYLE C, HOTEL. HINGED BACK

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
412	20	4	5	22½″	27″	$122.00
413	25	5	5	24½″	27″	128.00
414	30	5	6	24½″	29½″	134.00
415	36	6	6	26½″	29½″	148.00
416	42	6	7	26½″	31½″	156.00
417	49	7	7	28½″	31½″	164.00
418	56	7	8	28½″	33½″	194.00
419	64	8	8	30½″	33½″	214.00
420	72	8	9	30½″	35½″	224.00
421	81	9	9	32½″	35½″	240.00
422	90	9	10	32½″	37½″	266.00
423	100	10	10	34½″	37½″	312.00

Additions to list prices for equipping with electric setback shown on page 9.
Can be supplied in oak or stained mahogany.



No. 404

STYLE C, RETURN CALL. HINGED BACK

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
400	20	5	4	24½″	36½″	$136.00
401	25	5	5	24½″	40″	146.00
402	30	6	5	26½″	40″	166.00
403	36	6	6	26½″	43½″	188.00
404	42	7	6	28½″	43½″	208.00
405	48	8	6	30½″	43½″	220.00
406	56	8	7	30½″	47″	268.00
407	63	9	7	32½″	47″	288.00
408	72	9	8	32½″	50½″	302.00
409	80	10	8	34½″	50½″	324.00
410	90	10	9	34½″	54″	354.00
411	110	11	10	36½″	57½″	414.00

Additions to list prices for equipping with electric setback shown on page 9.
Can be supplied in oak or stained mahogany.
Furnished with plain removable panel for installation of telephone jacks when desired; prices on application.
Return call panels are numbered to correspond with the drops in gold, bronze or black, as desired.

REGULAR ELEVATOR STYLE

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
330	3	1	3	5½″	12″	$12.00
331	4	1	4	5½″	13¾″	13.00
332	5	1	5	5½″	15½″	16.00
333	6	1	6	5½″	17¼″	18.00
334	7	1	7	5½″	18¾″	19.00
335	8	1	8	5½″	20½″	20.00
336	9	1	9	5½″	22″	22.00
337	10	1	10	5½″	23½″	23.00
338	11	2	6	7¼″	17¼″	25.00
339	12	2	6	7¼″	17¼″	27.00

Fitted with removable bell. Oak carried in stock.

Elevator annunciators will be numbered from the bottom up, unless otherwise ordered.

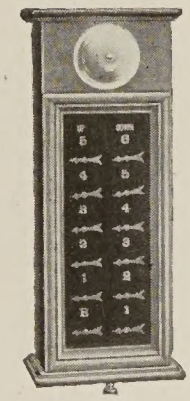
No. 333

UP AND DOWN ELEVATOR STYLE

List No.	No. of Drops	Arrangement Up. Col.	Arrangement Down Col.	Outside Measure Width	Outside Measure Height	List Price
340	4	2	2	7¼″	11¼″	$16.00
341	6	3	3	7¼″	13½″	21.00
342	8	4	4	7¼″	15¼″	23.00
343	10	5	5	7¼″	17¼″	26.00
344	12	6	6	7¼″	17¼″	30.00
345	14	7	7	7¼″	18¾″	33.00
346	16	8	8	7¼″	20¼″	36.00
347	18	9	9	7¼″	22″	40.00
348	20	10	10	7¼″	23½″	44.00
349	22	11	11	7¼″	25″	48.00
350	24	12	12	7¼″	26½″	52.00

The above will be fitted with a single throwback unless otherwise ordered; if double throwback is desired there will be an additional net charge of $1.00 per annunciator.

Oak carried in stock. Special finishes will be furnished to order.



No. 344

STYLE C, ELEVATOR

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
438	3	1	3	5½″	12″	$13.00
439	4	1	4	5½″	13¾″	14.00
440	5	1	5	5½″	15¼″	17.00
441	6	1	6	5½″	17¼″	19.40
442	7	1	7	5½″	18¾″	20.40
443	8	1	8	5½″	20½″	23.40
444	9	1	9	5½″	22″	25.40
445	10	1	10	5½″	23½″	28.00
446	11	2	6	7¼″	17¼″	30.00
447	12	2	6	7¼″	17¼″	32.00

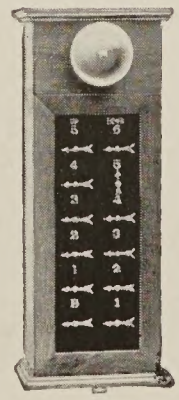
Stained mahogany only carried in stock. Other finishes furnished to order.

No. 441

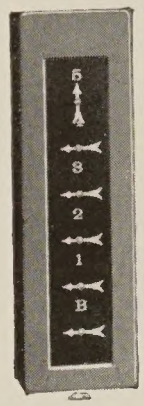
STYLE C, UP AND DOWN ELEVATOR

List No.	No. of Drops	Arrangement Up. Col.	Arrangement Down Col.	Outside Measure Width	Outside Measure Height	List Price
448	4	2	2	7¼″	11¼″	$17.00
449	6	3	3	7¼″	13½″	22.40
450	8	4	4	7¼″	15¼″	26.40
451	10	5	5	7¼″	17¼″	31.00
452	12	6	6	7¼″	17¼″	35.00
453	14	7	7	7¼″	18¾″	38.00
454	16	8	8	7¼″	20¼″	41.00
455	18	9	9	7¼″	22″	45.00
456	20	10	10	7¼″	23½″	49.00
457	22	11	11	7¼″	25″	53.00
458	24	12	12	7¼″	26½″	57.00

Stained mahogany only carried in stock. Other finishes furnished to order.



No. 452



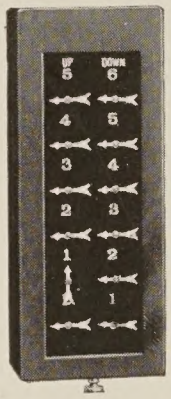
No. 354

METAL CASE, ELEVATOR STYLE

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
351	3	1	3	4″	10¼″	$18.00
352	4	1	4	4″	10¼″	19.00
353	5	1	5	4″	13½″	22.00
354	6	1	6	4″	13½″	24.00
355	7	1	7	4″	16¾″	26.00
356	8	1	8	4″	16¾″	28.00
357	9	1	9	4″	20″	30.00
358	10	1	10	4″	20″	32.00
359	11	1	11	4″	23¼″	34.00
360	12	1	12	4″	23¼″	36.00

Fitted with concealed buzzer.

Dead black finish only carried in stock, and will be supplied unless otherwise specified. Antique copper and nickel plated cases furnished at an additional charge. The cases proper, of these metal annunciators, are of one piece. The back and works are hinged to permit access.



No. 367

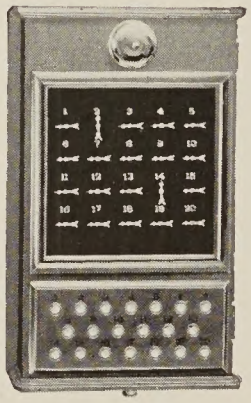
METAL CASE, UP AND DOWN ELEVATOR STYLE

List No.	No. of Drops	Arrangement Up. Col.	Arrangement Down Col.	Outside Measure Width	Outside Measure Height	List Price
363	4	2	2	5⅜″	7″	$28.00
364	6	2	3	5⅜″	10¼″	32.00
365	8	2	4	5⅜″	10¼″	35.00
366	10	2	5	5⅜″	13½″	39.00
367	12	2	6	5⅜″	13½″	43.00
368	14	2	7	5⅜″	16¾″	48.00
369	16	2	8	5⅜″	16¾″	54.00
370	18	2	9	5⅜″	20″	60.00
371	20	2	10	5⅜″	20″	66.00
372	22	2	11	5⅜″	23¼″	72.00
373	24	2	12	5⅜″	23¼″	78.00

Dead black finish only carried in stock, and will be supplied unless otherwise specified. Antique copper and nickel plated cases furnished at an additional charge.

The above will be fitted with 2 throwbacks so that up and down numbers can be controlled separately if desired, at an additional net charge of **$1.00** per annunciator.

One throwback only will be furnished unless otherwise specified.

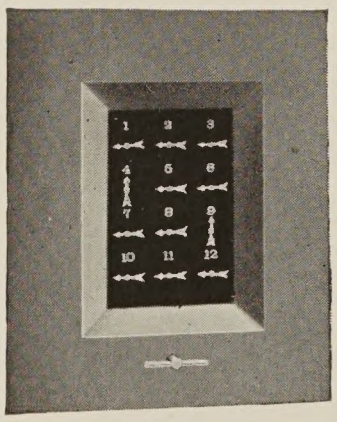


No. 429

SPECIAL STYLE, RETURN CALL

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
432	16	4	4	14⅞″	23¼″	$68.00
433	20	5	4	14⅞″	23¼″	76.00
434	24	5	5	14⅞″	23¼″	80.00
435	26	5	5	14⅞″	23¼″	84.00
436	28	6	5	14⅞″	30″	90.00
437	30	6	5	14⅞″	30″	96.00

Oak carried in stock. Other finishes furnished to order. Panel boards removable.



No. 433

FLUSH TYPE

List No.	No. of Drops	Arrangement Across	Arrangement Down	Recess Req. Width	Recess Req. Height	Outside Meas. Width	Outside Meas. Height	List Price
424	4	2	2	8¾″	10⅝″	11½″	12½″	$24.00
425	6	2	3	8¾″	12⅝″	11½″	14½″	30.00
426	8	3	3	10¾″	12⅝″	13½″	14½″	36.00
427	9	3	3	10¾″	12⅝″	13½″	14½″	38.00
428	10	3	4	10¾″	14⅝″	13½″	16½″	40.00
429	12	3	4	10¾″	14⅝″	13½″	16½″	44.00
430	16	4	4	12¾″	14⅝″	15½″	16½″	48.00
431	20	4	5	12¾″	16⅝″	15½″	18½″	52.00

Flush annunciators are not carried in stock.

The face of these annunciators extends 1⅜ inches beyond the top and sides of recess opening and ½ inch on the bottom.

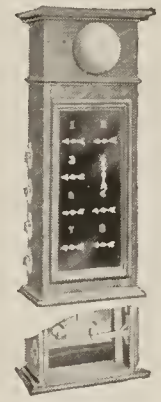
Depth of recess required, 3¾ inches. Above dimensions are based on a face moulding 3¾ inches wide, being the minimum width that may be used.

Additions to list prices for equipping with electric setback shown on page 9.

INDIVIDUAL MECHANICAL SET-BACK

List No.	No. of Drops	Arrangement Across	Arrangement Down	Outside Measure Width	Outside Measure Height	List Price
459	3	1	3	5½″	12″	$15.60
460	4	2	2	7¼″	11¼″	17.80
461	6	2	3	7¼″	13¼″	25.20
462	8	2	4	7¼″	15¼″	29.60
463	10	2	5	7¼″	17¼″	35.00
464	12	3	4	9¼″	15¼″	41.40
465	14	4	4	11¼″	15¼″	46.80
466	16	4	4	11¼″	15¼″	52.20
467	18	4	5	11¼″	17¼″	56.60
468	20	4	5	11¼″	17¼″	61.00

This annunciator is made up in regular size cases and can be furnished in either regular house or style "C" type.



No. 462

Where our Needle Indicating Annunciators are to be operated on Direct Current, or Battery Service, we can equip our House, Hotel, Return Call and Flush Types with Electric Setbacks, and when so furnished the following additions in list prices apply:

Regular House Style	
All sizes	$3.00
Regular Hotel Style	
No. 310 to No. 314	7.00
No. 315	12.00
Style "B" Hotel	
No. 388	3.00
No. 389 to No. 393	7.00
No. 394 to No. 397	12.00
No. 398 and No. 399	20.00
Style "B" Return Call	
No. 376	3.00
No. 377 to No. 381	7.00
No. 382 to No. 385	12.00
No. 386 and No. 387	20.00
Style "C" House	
All sizes	3.00
Style "C" Hotel	
No. 325 to No. 328	7.00
No. 329	12.00
Style "C" Hotel, Hinged Back	
No. 409	3.00
No. 410 to No. 417	7.00
No. 418 to No. 421	12.00
No. 422 and No. 423	20.00
Style "C" Return Call, Hinged Back	
No. 400	3.00
No. 401 to No. 405	7.00
No. 406 to No. 409	12.00
No. 410 and No. 411	20.00
Special Style, Return Call	
No. 432 and No. 433	3.00
No. 434 to No. 437	7.00
Flush Type	
All sizes	3.00

Where the annunciators are to be operated in connection with transformers it is impossible to equip them in this manner.

Prices quoted on our annunciators include the numbering or lettering of the dials and the placing of customer's imprint on dials, as well as the numbering or lettering of return call panels in the return call types. Our annunciators will be supplied with white enamel finish at an addition of $6.50 to list prices shown.

THE ANSONIA
CARD INDICATING ANNUNCIATOR

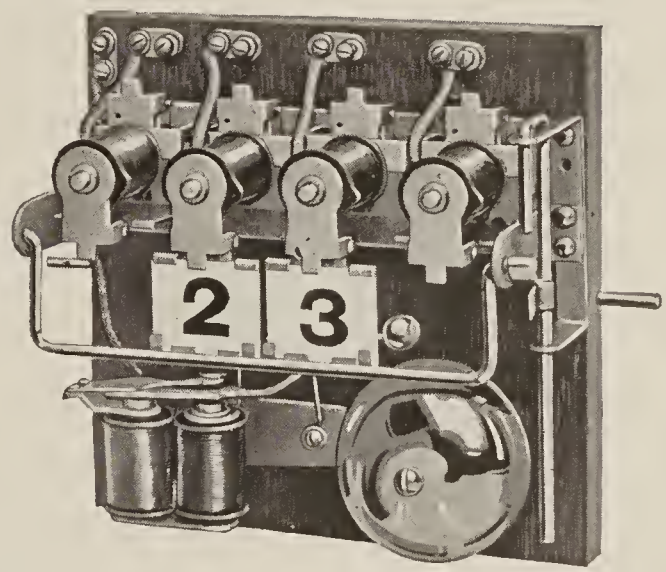
The Ansonia Card Indicating Annunciator is of the same high quality of design and construction as our needle type. The cabinet is of oak, and all joints are both glued and mortised.

The drop is operated by a single coil electro magnet. The card holding shutter is hung on a brass pinion and held in position when not indicating by a specially formed hook, connected to the armature in a manner that prevents any possibility of its shaking down unless released electrically. The armature itself is separated from the core by a thin brass strip which also acts as a spring. The completed drops are mounted in groups on a heavy steel frame, insuring perfect alignment and also acting as an additional stiffener to the birch back board upon which all works and terminals are mounted.

Our regular terminals are used, each marked to correspond with the drop, and all connections soldered. The cover being held in position by dowel pins and hooks, is easily removed without disturbing the wiring, making the works very accessible.

The signal bell is of our well-known fixed contact type, and mounted inside the case.

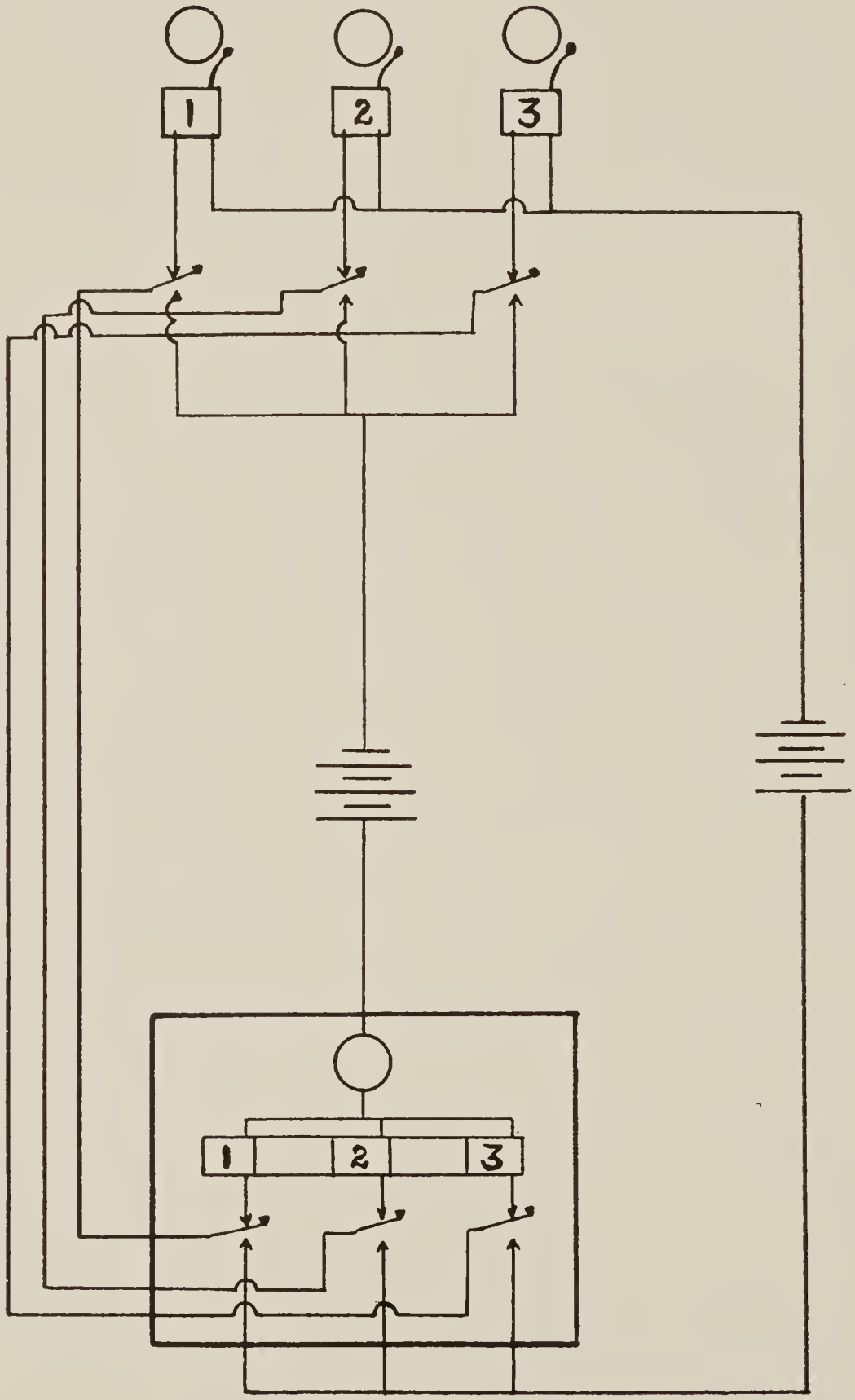
THE ANSONIA
CARD INDICATING ANNUNCIATOR



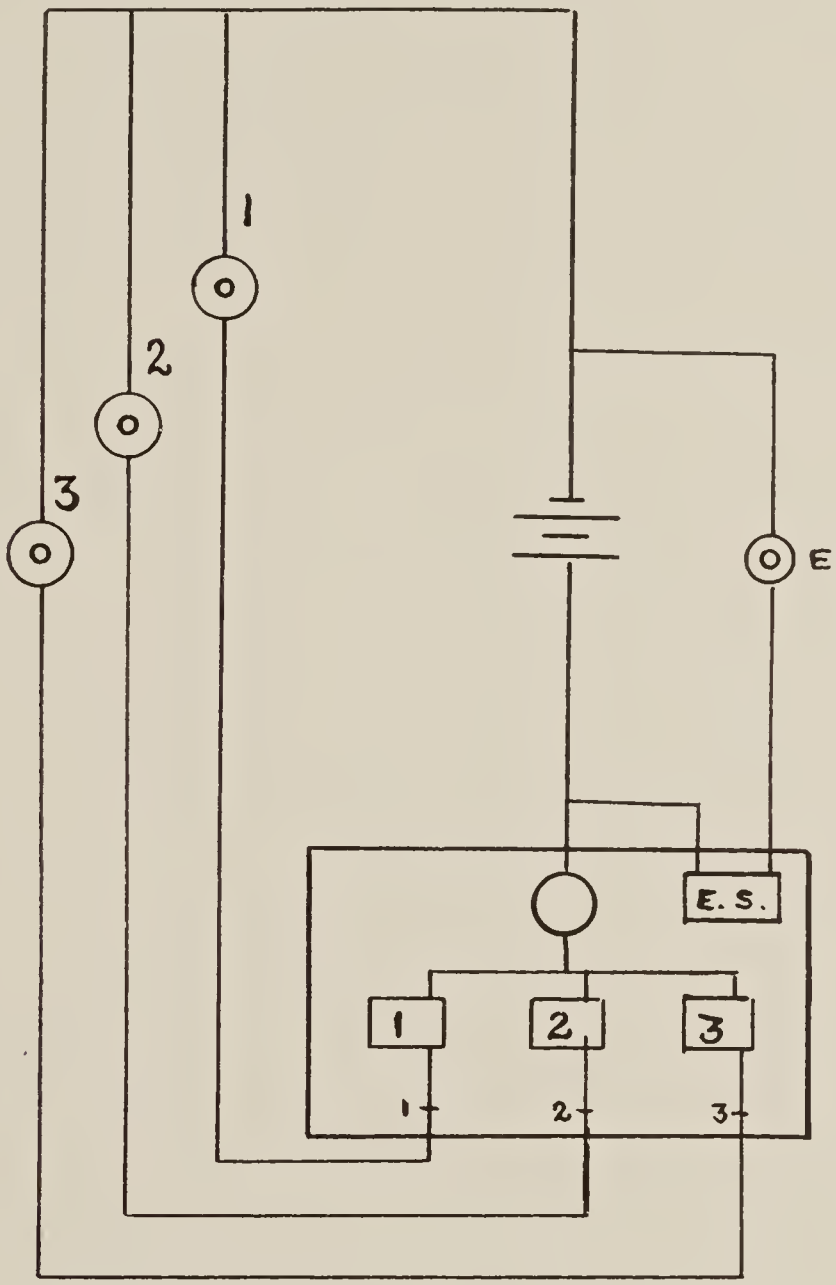
List No.	No. of Drops.	Arrangement. Across.	Down.	Outside Case Meas. Width.	Height.	Glass Openings Width.	Height.	List Price.
222.....	2	2	1	5½″	6½″	3½″	4½″	$10.00
223.....	3	3	1	5½″	6½″	3½″	4½″	11.70
224.....	4	4	1	6¾″	6½″	4¾″	4½″	13.20
225.....	5	5	1	8″	6½″	6″	4½″	15.30
226.....	6	3	2	5½″	9⅜″	3½″	7⅜″	16.50
228.....	8	4	2	6¾″	9⅜″	4¾″	7⅜″	19.50
230.....	10	5	2	8″	9⅜″	6″	7⅜″	23.00
232.....	12	4	3	6¾″	13″	4¾″	11″	26.10
235.....	15	5	3	8″	13″	6″	11″	32.70
240.....	20	5	4	8″	15⅞″	6″	13⅞″	43.50

Prices on annunciators larger than 20 drops quoted on application.

For White Enameled Finish add $4.50 to above list prices.



WIRING DIAGRAM—RETURN CALL
ANNUNCIATOR



ANNUNCIATOR WIRING DIAGRAM SHOWING
ELECTRIC RESET

PARTS FOR
NEEDLE INDICATING ANNUNCIATORS

Catalog Number		List Price per 100
1401	Drops complete mounted on zinc plates, including lettered dial and throwback	$180.00
1402	Drops complete with needle (unmounted)	100.00
1403	Reset parts as used on cases to 25 drops	80.00
1404	Reset parts as used on cases over 25 drops	180.00
1405	Reset parts as used on return call and telephone annunciators	400.00
1406	Bell complete, including frame and 3″ N. P. Brass gong	170.00
1407	Bell with 4″ N. P. Brass gong	220.00
1408	Armature	9.00
1409	Needle	6.00
1410	Needle rod	9.00
1411	Weight	8.00
1412	Nuts for attaching needle or weight	2.00
1413	Screw and washer for attaching wire	1.20
1414	Screw for attaching drop to plate	1.00

Bells

THE ANSONIA ELECTRICAL CO.
ANSONIA, CONN.

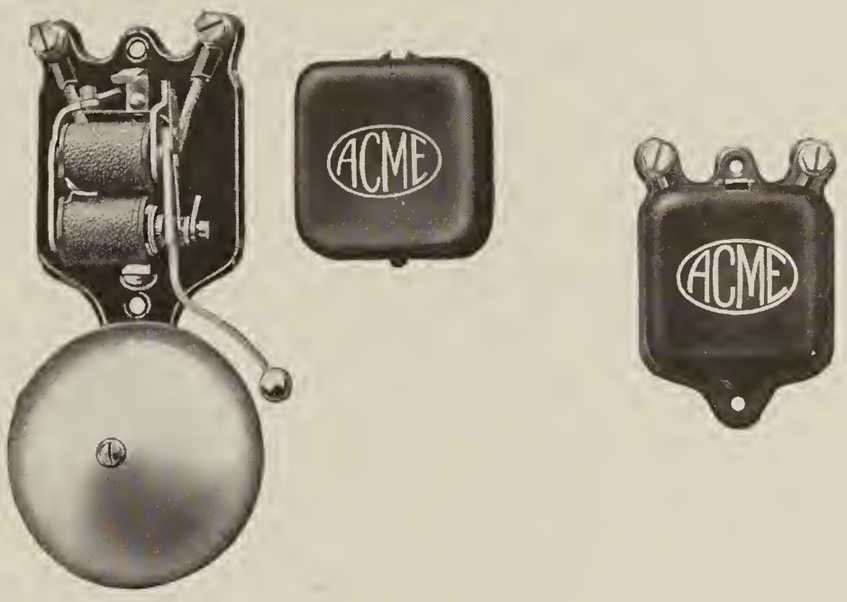
On the following pages we are listing and illustrating our complete line of bells and buzzers.

This line represents the accumulated experience of over forty-five years of design and construction of high quality bells, and contains models for battery and transformer use, outdoor and indoor work; ranging in size from the small nickel plated watchcase buzzer to the 12-inch gong of our weatherproof bell.

All bases are very strong, all movements of high electrical and mechanical design and construction and well suited to carry on to the future our watchword of the past "Ansonia Quality".

Bells listed on the following pages can be obtained through any of the electrical supply jobbers.

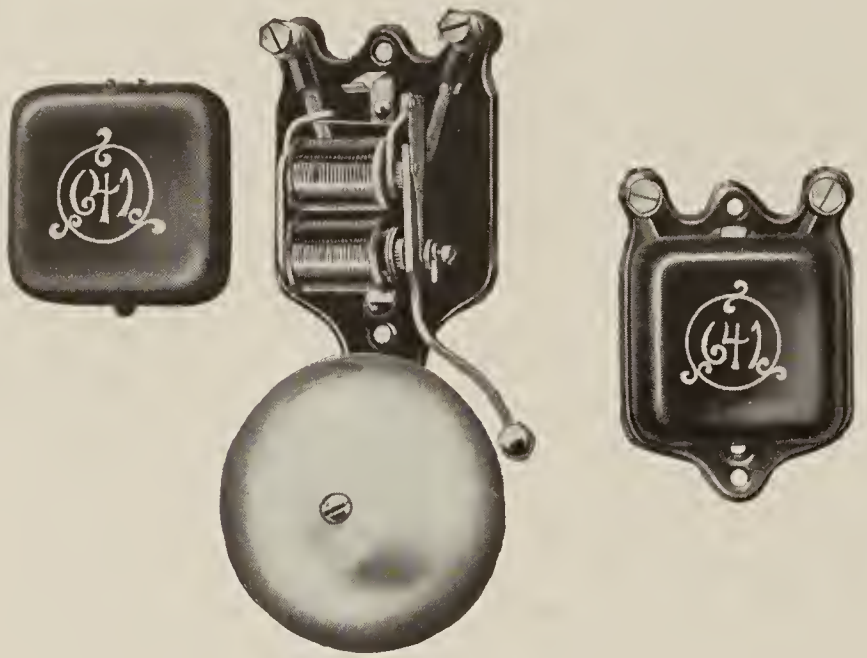
No. 631 CLASS A, ACME IRON BOX BELL



The No. 631 Class A, Acme Iron Box Bell has a two-coil movement with adjustable contacts and tension springs. The coils are wound with Ansonia Enameled magnet wire and covered with matted cloth. This movement is mounted on a substantial pressed steel base, from which it is thoroughly insulated, permitting the installation of the bell on metal, or metal lath without the use of a wooden mat or other insulation. The binding posts are non-turning and non-loosening. The base and cover are finished in black enamel and the gong in polished nickel. The bell is wound to 5 ohms resistance, and will ring equally well on battery or bell-ringing transformer.

Size gong	Buzzer	2½″	3″	4″	Cow & Sleigh
Standard package	100	100	100	25	25
List price	$1.62	$1.65	$1.81	$2.19	$2.50

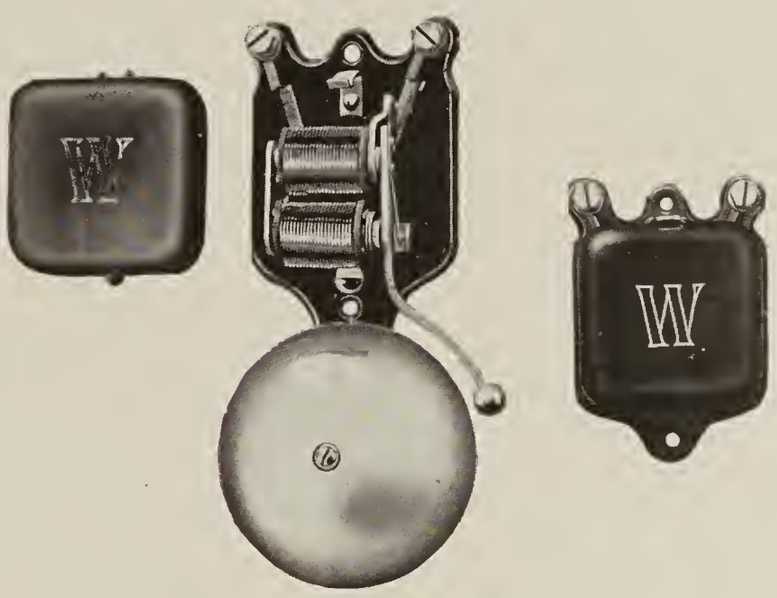
No. 641 CLASS B, EUREKA IRON BOX BELL



The No. 641 Class B, Eureka Iron Box Bell has a two-coil movement wound with Ansonia Enameled magnet wire and with adjustable contacts. This movement is mounted on a substantial pressed steel base, from which it is completely insulated, permitting the installation on metal or metal lath without the use of a wooden mat or other outside insulation. The binding posts are non-turning and non-loosening. The base and cover are finished in black enamel and the gong in polished nickel. The bell is wound to 2.2 ohms resistance and operates equally well on battery or bell-ringing transformer.

Size gong	Buzzer	2½″	3″	4″	Cow & Sleigh
Standard package	100	100	100	25	25
List price	$1.02	$1.04	$1.18	$1.53	$1.83

No. 659 WIZARD IRON BOX BELL



The No. 659 Wizard Iron Box Bell has a two-coil movement mounted on a very substantial pressed steel base and thoroughly insulated from the same, allowing it to be mounted on metal or metal lath without fear of grounding. The movement has a fixed adjustment, is wound to 2.2 ohms resistance, and operates equally well on dry cells or bell-ringing transformers. The binding posts are outside the cover and are non-turning and non-loosening.

Size gong	Buzzer	2½″
Standard package	100	100
List price	.89	.92

No. 656—2½-INCH IRON BOX BELL

This bell contains a substantial non-adjustable movement of an entirely new type, having but one magnet mounted vertically and parallel to the armature. The armature is bent in a goose neck around the end of the coil, bringing it into the magnetic field and obviating the necessity of a pole piece. Wound to 1.2 ohms resistance.

The entire bell is of the same high quality and workmanship as our regular line.

Size	Standard Package	List Prices
2½″	100	$0.65
Buzzer	100	.63

The standard finish is black japan with nickel plated gong; for white enamel base and cover add 2 cents net extra per bell or buzzer.

No. 660—COMBINATION BELL AND BUZZER

The No. 660 Combination Bell and Buzzer is designed for use where previously it has been necessary to install two bells, or a bell and a buzzer.

The movement is of the same type as our No. 659 Wizard Class "C" Iron Box Bell, with vibrating reed type non-adjustable armature, and non-adjustable breaker post, and the coils wound with enameled wire of our own manufacture. It will work satisfactorily with battery or small bell-ringing transformer. Wound to 1.2 ohms resistance.

The construction throughout is of the same high grade as all of the "Ansonia Quality" line of bells.

This can be supplied fitted with 2½″ or 3″ gongs.

Size Gong	Standard Package	List Prices
2½″	100	$1.20
3″	100	1.30

No. 658

No. 661

No. 658 MONITOR BELL

The Monitor type has been developed with special reference to use in all places where unauthorized persons are apt to tamper with the call bell, it being necessary in this type to remove the bell from the wall for adjusting.

This bell has our regular 641 movement, wound to 2.2 ohms resistance, mounted on a cast iron base. The movement is completely enclosed, only the ball and armature rod projecting through the lower section of the bell. This construction insures to the movement thorough protection from dust or vermin.

The circuit is grounded on the base, making the use of an insulating mat or other device necessary where more than one are mounted on metal or metal lath.

The finish is black japan base with polished nickel gong. The base is 3⅜″ in diameter and the gong 3″.

Size gong	Standard package	List price
3″	100	$1.80

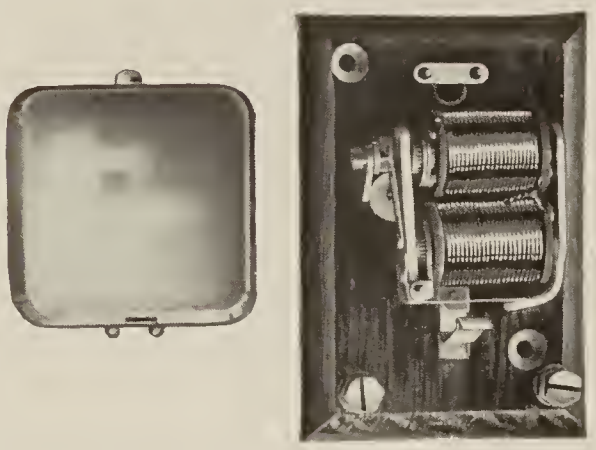
No. 661 MONITOR BELL

This bell has a movement of our regular 641 type. It is wound with Ansonia Enameled magnet wire to 2.2 ohms resistance, and equipped with adjustable contacts. The base is 3⅝″ in diameter and the gong 3″. The hammer action in this bell differs slightly from that of the 658, in that the gong is struck directly from below and on the rim edge.

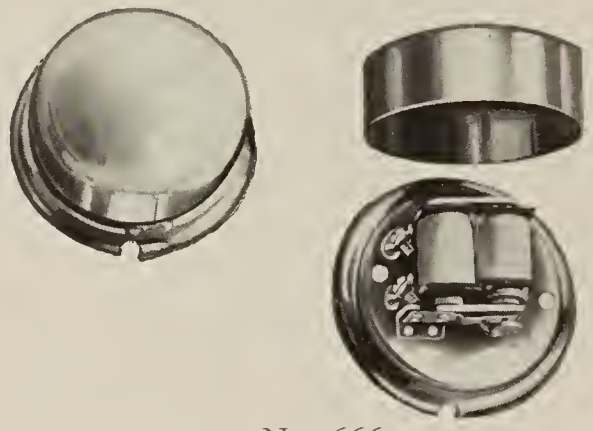
This bell also has a grounded frame, and like the 658 is adapted for street cars and factory use. Both these bells will be found to be of the highest type of design and construction.

The base is finished in black japan with gold trimming, and the gong in polished nickel.

Size gong	Standard package	List price
3″	100	$1.80



No. 655



No. 666

No. 655 BUZZER

The No. 655 Buzzer comprises our regular 641 bell movement, wound to 2.2 ohms resistance, mounted on a light oak mat, equipped with non-turning and non-loosening binding posts and enclosed in a drawn brass cover which is nickel plated and highly polished.

Standard package	List price
100	$2.03

No. 666 WATCHCASE BUZZER

This buzzer is 2¼″ in diameter across the base. The base and cover are of drawn brass, nickel plated and highly polished. The movement which, including the binding post, is completely enclosed, is of the same type as our 659 Wizard Iron Box Bell, but of greatly reduced size. This buzzer has a grounded frame and consequently is not adapted for mounting on metal unless some means of insulation is used. Wound to 2 ohms resistance.

The buzzer can be supplied in either regular pitch, such as is suitable for office work, or in a special high pitch for use in radio test work. Unless otherwise specified we will supply the lower pitch.

Standard package	List price
50	$1.25

No. 621

No. 621-L

No. 621 WOOD BOX BELL

This bell consists of the class B Eureka movement, wound to 3 ohms resistance, mounted on an oak base and with an oak cover. The finish is light oak and the gong nickel plated. The binding posts are non-turning and non-loosening.

Size gong	Buzzer	2½″	3″	4″	Cow & Sleigh
Standard package	100	100	100	25	25
List price	$1.55	$1.60	$1.68	$2.00	$2.25

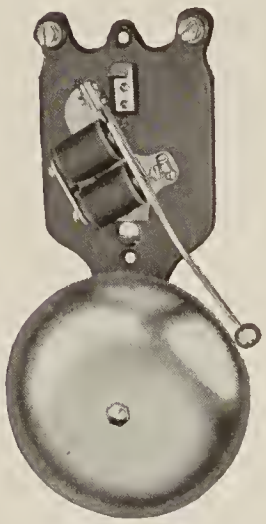
No. 621-L WOOD BOX BELL

The movement of this bell is of the two-coil type. The coils are wound with Ansonia Enameled magnet wire to 5 ohms resistance, and mounted on a pressed steel sub-frame, which also carries the armature support and breaker post. The armature suspension is of the vibrating reed type with adjustable tension. The armature is fitted with adjustable contacts, the breaker post contact screw being securely locked in position by a check lever.

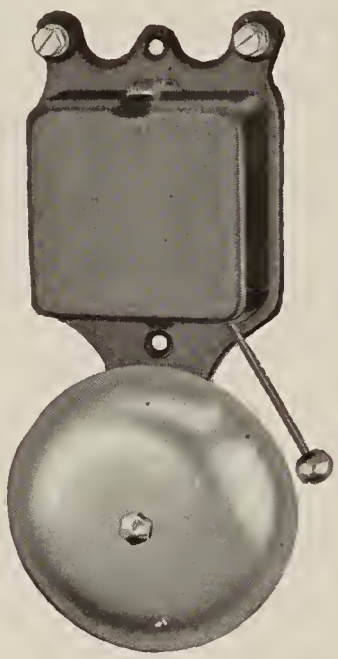
The entire movement is mounted on an oak base and enclosed by an oak cover. The binding posts are of large size and are both non-turning and non-loosening. The binding posts and gong are finished in highly polished nickel.

Size gong	4″	5″	6″
Standard package	6	6	6
Dry cells required	3	3	3
List price	$6.62	$7.87	$8.75

Nos. 641-L AND 642-T STEEL INCASED BELLS



641-L



642-T

These are designed to take the place of the cheaper skeleton bells, which are, to say the least, unreliable, having only the low cost to recommend them. While offered at competitive prices they have no rival on the market and consequently occupy a distinctive place in the bell line, having all the features that are required as adjustable bells, the breaker post screw and also armature at heel being so arranged that the finest adjustment that may be required is easily obtained. Further, the base is completely sealed, no openings therein and is of heavy stamped steel. The cover is of the same material and is readily removed and replaced, having heavy spring clip to hold it in position. The works are thereby fully protected from the elements, dust, vermin, etc.

While the above are somewhat lighter in construction than the heavy cast bells, they are just as reliable and as durable as any bell made and carry our usual guarantee.

They are made in Battery, Transformer and High Voltage A.C. types.

No. 641-L, Battery Type

The movement used in the battery type is precisely the same as that in our No. 621-L, which has been constantly used in large quantities for the past 15 years, and needs no further explanation beyond the illustration. Wound to 5 ohms resistance.

Size Gong	Standard Package	Dry Cells Required	List Prices
4″	6	3	$6.60
5″	6	3	7.80
6″	6	3	8.85
8″	4	3	14.35

No. 642-T, Transformer Type

The transformer works are especially designed and also illustrated. The Transformer Bell is a scientific A.C. bell development. The construction is thoroughly reliable, the cores being laminated and properly wound. Our rocker adjustment at the point of armature suspension, the laminated field and cores, together with the carbon contacts, are such as to produce the most powerful blow, giving the greatest volume of sound with the smallest possible amount of current consumption.

This economy of current consumption is of great value, especially where many bells are to be operated in parallel, as in school work, where classroom bells are rung simultaneously.

We list elsewhere the number of bells of all our models that can be operated at one time by the different transformers.

The standard wiring of our transformer bell is 12 to 18 volts, 25 to 60 cycle, 110 volt A.C. Other voltages can be supplied.

Size Gong	Standard Package	List Prices
4″	6	$10.00
5″	6	13.00
6″	6	15.00
8″	4	24.00

No. 642-T, High Voltage Type

When desired this bell can be furnished for use on circuits up to and including 220 volts A.C. or D.C. The appearance of this type is substantially the same as that of the lower voltage bells, the main changes being in the special winding. In ordering this type the line voltage must be given, and whether D.C. or A.C. Also, if the latter, give the number of cycles.

Size Gong	Standard Package	List Prices
4″	6	$16.25
5″	6	20.25
6″	6	22.25
8″	4	28.25

In all types the binding posts, works, etc., are thoroughly insulated, by means of heavy fibre, from the stamped base and consequently no part of the iron casing enters into the circuit.

Contacts: Carbon—Commercial size.

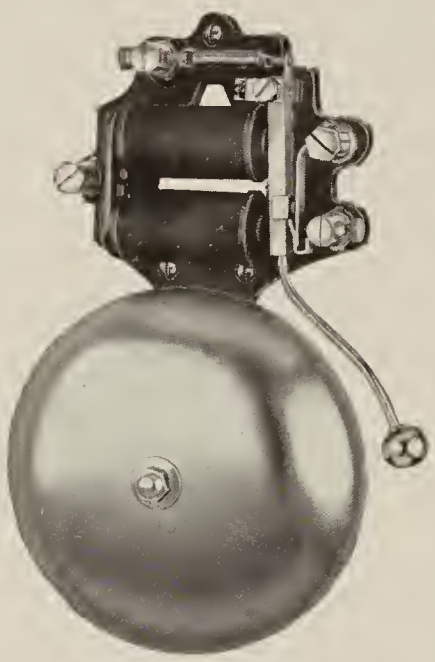
Armature Suspension: Vibrating reed type—no hinges or pivots to wear. All superfluous parts eliminated.

Enclosed Movement: Operating parts thoroughly enclosed and protected by steel case.

Insulation: Current carrying parts completely insulated from frame. It may consequently be mounted on metal frames or lath without danger of ground or short circuit.

Finish: Rubberized dull black enamel.

No. 620 SKELETON SIGNAL BELLS



Vibrating Type

Decisive Points of Superiority

Heavy Duty Full-Power Armature—Our new improved method permits the keeping of armature in magnetic field up to the moment of striking the gong, utilizing fully and efficiently all electrical energy applied, thereby producing maximum blow.

Frame—Genuine Skeleton Type specially constructed and designed, giving perfect alignment, works centralized. The extra heavy frame used in this bell is, correctly speaking, a Skeleton and not a Solid back type as used in inclosed bells, and is specially designed to keep the coils and movement away from whatever surface the bell may be mounted on, thereby preventing an accumulation of moisture behind the works.

Insulated Mechanism—Frame of the bell carries no current at any time, as entire circuit is insulated, consequently may be mounted on metal without fear of grounding. Connections and underside screws are perfectly sealed, rendering short circuiting impossible. All connections are positively secured by soldering to terminal.

Locking Side-Contact Post—Split-section side-contact compresses both sections against thread of contact-screw and positively locks all screws in position, allowing of extreme close adjustment.

Solid Trunnion-Frame—Of extruded brass, cannot work loose or move in any direction. Lock-nut on trunnion-frame compresses against upper trunnion screw and no amount of jarring can loosen the upper bearing.

Extra Heavy Cylindrical Type Trunnion Bearings—No possibility of armature breaking away from either upper or lower bearings; construction utilizes full strength of both upper and lower frame castings.

Non-Turning Contact and Binding Posts—Non-turning and non-loosening binding posts prevent connections from jarring loose.

Contact Points—Contact points are of our special alloy as used in all our bells, or platinum if specified, the former being used unless otherwise specified.

Tension Spring Adjustment—By the use of a swiveled armature pin we have eliminated all difficulties encountered in other bells in securing a fine adjustment.

No. 620 Skeleton Battery Type Bell

Model	Size Gong inches	Frame No.	Resistance in Ohms	Dry Cells Required	Volts	Standard Package	List Price Each
A-2½	2½	0	4	2	3	10	$5.50
A-3	3	0	4	2	3	10	6.00
A-4	4	0	4	2	3	6	7.00
A-5	5	1	6	3	4½	6	9.25
A-6	6	1	6	3	4½	6	10.50
A-7	7	2	6	3	4½	4	15.00
A-8	8	2	6	3	4½	4	16.00
A-10	10	3	8	4	6	4	25.00

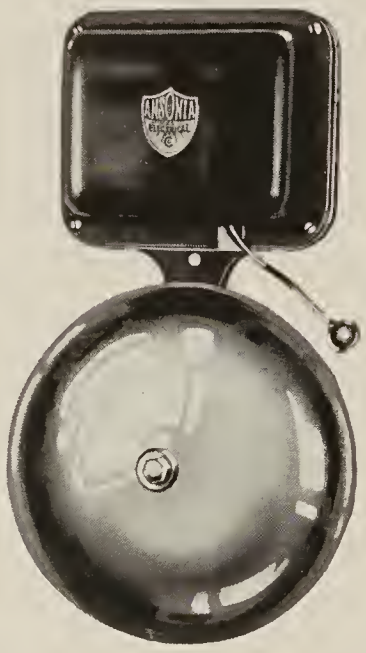
Will be wound to any special resistance required at standard list-additions shown elsewhere.

Assortment of all sizes with our heavy duty iron box bells, also special resistance windings may be included with bells and buzzers to make up list-value.

Prices quoted on application for fitting bells with platinum contacts.

While this bell is primarily designed for direct current, we have many times supplied it for transformer work. This necessitates some changes in design and will only be done on special order, at an increase of $2.00 net. If transformer bell is needed please give voltage and cycle of the circuit for which the bell is desired, otherwise we shall assume the normal transformer for bells of this size, which is 12-18 volts, 60 cycle.

ANSONIA WEATHERPROOF BELLS

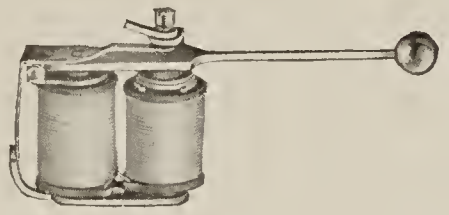


Our Weatherproof Bell consists of the movement of our No. 620 Skeleton Bell, with all its improved features, mounted on a substantial cast iron base with cast iron cover fitted with a rubber gasket. This bell is produced only in the non-guarded type with gongs ranging from 5″ to 12″ in diameter, and can be supplied in both battery and transformer types.

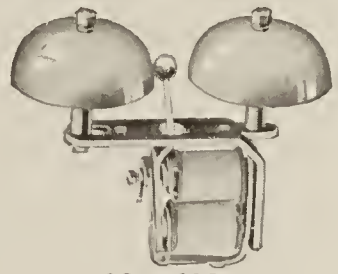
LIST PRICES

No. 622 Battery Type		No. 624 Transformer Type	
Size Gong	Price	Size Gong	Price
5″	$15.75	5″	$19.75
6″	17.75	6″	21.75
8″	22.00	8″	26.50
10″	36.75	10″	45.00
12″	49.50	12″	51.25

ANSONIA TELEPHONE RINGERS



No. 635



No. 638

These ringers are composed of our No. 641 Eureka Bell movement, which in the Nos. 638 and 639 is mounted on a heavy, soft, stamped steel frame fitted with non-turning adjustable posts. They are ordinarily wound to 5 ohms, but special resistances from 2 to 500 ohms will be supplied at our regulation charges.

The prices on the Nos. 638 and 639 include nickel plated brass gongs. These will be furnished without gongs at a 30 per cent. reduction in list prices.

	Size Gong	Standard Package	List Price
No. 635		100	$0.61
No. 638	2″	100	1.22
No. 639	2½″	100	1.40

ADDITIONS TO LIST PRICES FOR WINDING BELLS AND BUZZERS TO SPECIAL RESISTANCE

Ohms resistance	Class A	Class B
Up to 20	$0.40	$0.80
21 to 50	.50	1.00
51 to 100	.60	1.20
201 to 300	1.00	2.00
301 to 400	1.20	2.40
401 to 500	1.30	2.60

Class "A"—Nos. 631, 641, 659, 656, 660, 621, 655, 666, 658, 661, telephone ringers.
Class "B"—Nos. 621-L, 641-L, 620, and 622.

NUMBER OF BELLS WHICH CAN BE OPERATED BY BELL RINGING TRANSFORMERS

	Number of Bells Operated: Small Bell Ringing Transformer	General Electric 50 Watt Bell Ringing Transformer	General Electric 100 Watt Bell Ringing Transformer	Voltage
Nos. 631, 641, 659, 660, 656, 621, 658, 661, 655, 666	1	8	17	8-12
Nos. 620 and 624, up to 8″		3	7	15-18
Nos. 620 and 624, 10″ and 12″		2	5	18-18
No. 642-T		4	9	18-18

The above chart is given as a general guide and must of course be modified when the lines are exceptionally long. The voltage column gives the operating voltage required at the bell and must not be confused with the open circuit voltage of the transformer, which in all bell ringing transformers drops very rapidly when the rated capacity is exceeded.

STANDARD METHOD OF PACKING BELLS FOR DOMESTIC SHIPMENT

No.	Size Gong	Standard Package	Approximate Weights Gross	Tare	Net
631	Buzzer	100	54	10.5	43.5
631	2½″	100	77	20.5	56.5
631	3″	100	82	21.5	60.5
631	4″	25	25	3.5	21.5
631	Cow	25	23.75	5.5	18.25
631	Sleigh	25	16.5	1.25	15.25
641	Buzzer	100	54	10.5	43.5
641	2½″	100	77	20.5	56.5
641	3″	100	82	21.5	60.5
641	4″	25	25	3.5	21.5
641	Cow	25	23.75	5.5	18.25
641	Sleigh	25	16.5	1.25	15.25
659	Buzzer	100	53	10.5	42.5
659	2½″	100	75	19.5	55.5
656	Buzzer	100	28.25	8.25	20
656	2½″	100	52.5	18.5	34
660	2½″	100	79.5	15.5	64
660	3″	100	87	18	69
666	Buzzer	50	10.5	2	8.5
621	Buzzer	100	62	16.5	45.5
621	2½″	100	85	22.5	62.5
621	3″	100	92	25.5	66.5
621	4″	25	25.75	3.25	22.5
621	Cow	25	22.75	2.75	20
621	Sleigh	25	19.5	1.25	18.25
658	Monitor	100	105	24	81
661	Monitor	100	143	23	120

STANDARD METHOD OF PACKING BELLS FOR DOMESTIC SHIPMENT

No.	Size Gong	Standard Package	Approximate Weights Gross	Tare	Net
621-L	4″	6	23.5	10.5	13
621-L	5″	6	24.25	11	13.25
621-L	6″	6	27.25	11.5	15.75
641-L	4″	6	23.25	10.25	13
641-L	5″	6	28.5	14.5	14
641-L	6″	6	32	15.25	16.75
641-L	8″	4	38.5	21.25	17.25
642-T	4″	6	29.25	14.75	14.5
642-T	5″	6	29.25	14.5	14.75
642-T	6″	6	31.75	15.25	16.5
642-T	8″	4	37.25	21.25	16
620	2½″	10	32.75	18.75	14
620	3″	10	33.25	18.75	14.5
620	4″	10	35.25	18.75	16.5
620	5″	6	40.5	20.75	19.75
620	6″	6	43	19.75	23.25
620	7″	4	38	19.5	18.5
620	8″	4	43.25	19.75	23.5
620	10″	4	55.5	24.5	31
622	5″	6	58.75	19.5	39.25
622	6″	6	61.75	19.5	42.25
622	8″	4	54.75	20.5	34.25
622	10″	4	78.5	32	46.5
622	12″	4	95.5	39.5	56
624	5″	6	58.75	19.5	39.25
624	6″	6	61.75	19.5	42.25
624	8″	4	54.75	20.5	34.25
624	10″	4	78.5	32	46.5
624	12″	4	95.5	39.5	56
635	Ringer	100	25	4	21
638	Ringer	100	49	8.75	40.25
639	Ringer	100	71	10.5	60.5

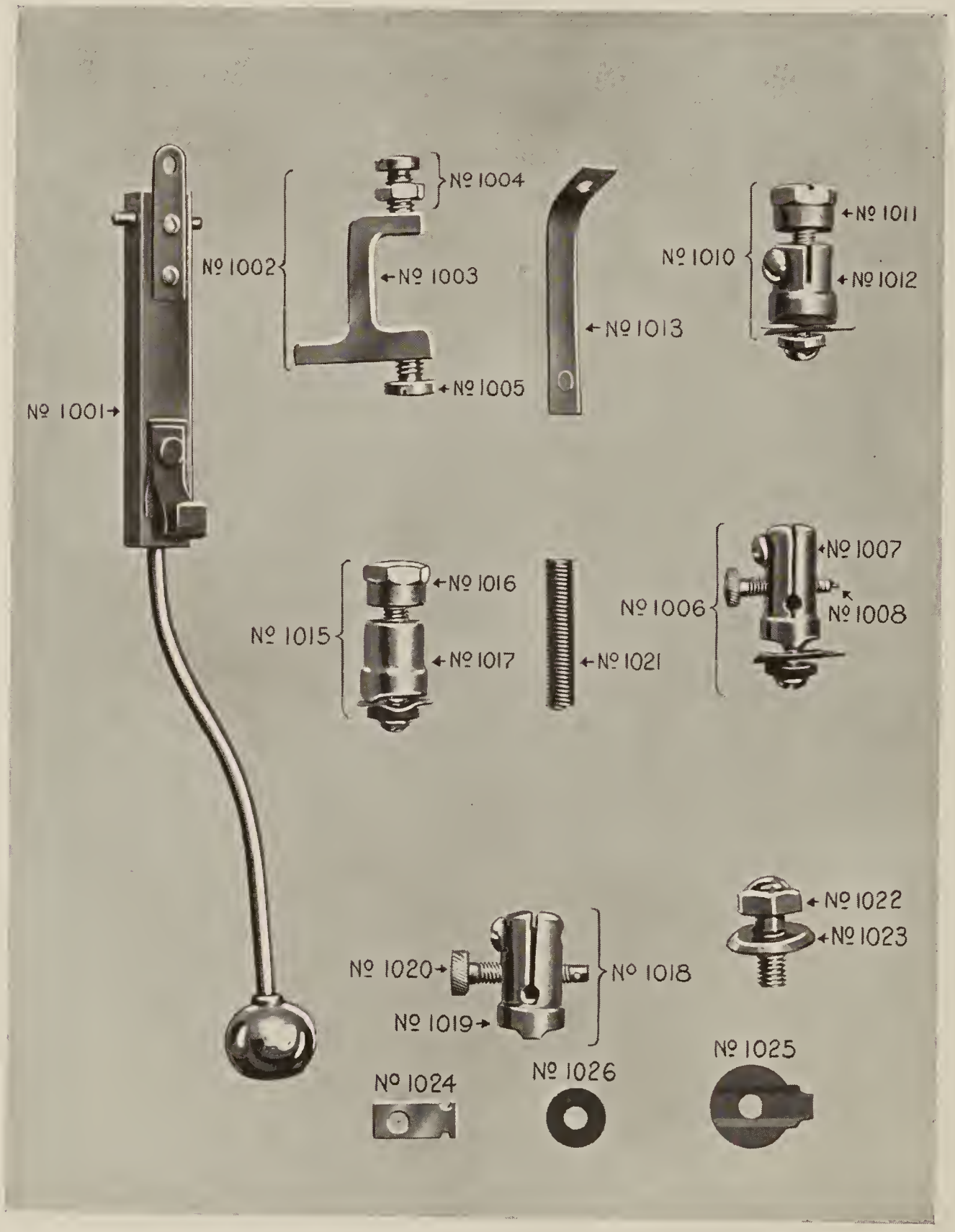
STANDARD METHOD OF PACKING BELLS FOR FOREIGN SHIPMENT

No.	Size Gong	Number to Case	Approximate Weights Gross	Legal	Net	Cu. ft.
631	Buzzer	200	110	92	87	2.08
631	Buzzer	300	162	136	130	2.94
631	2½″	200	155	123	113	4.6
631	2½″	250	190	154	142	5.63
631	3″	200	171	134	121	5.45
631	3″	250	207	167	151	6.78
631	4″	100	120	91	83	4.39
631	Cow	100	103	75	69	3.5
631	Sleigh	200	156	127	118	4.35
641	Buzzer	200	110	92	87	2.08
641	Buzzer	300	162	136	130	2.94
641	2½″	200	155	123	113	4.6
641	2½″	250	190	154	142	5.63
641	3″	200	171	134	121	5.45
641	3″	250	207	167	151	6.78
641	4″	100	120	91	83	4.39
641	Cow	100	103	75	69	3.5
641	Sleigh	200	156	127	118	4.35
659	Buzzer	200	106.75	90.25	85.25	2.1
659	Buzzer	300	157.75	135.25	127.75	2.9
659	2½″	200	152	121.5	111.5	4.7
659	2½″	250	188	152	139	5.7
656	Buzzer	200	57.5	44	40	1.18
656	Buzzer	300	82.25	66	60	1.56
656	2½″	200	101.5	76	68	3.63
656	2½″	300	150.5	114	102	5.21
660	2½″	200	170.75	138.5	128	4.36
660	2½″	300	249.5	207.5	192	6.3
660	3″	200	187.25	150	138	5.22
660	3″	300	263	215	207	7.56
621	Buzzer	100	67	50	45.5	2.1
621	2½″	200	177	137	125	5.94
621	2½″	250	217	171	156	7.39
621	3″	200	189	147	133	6.67
621	3″	250	234	184	166	8.11
621	4″	50	68	47.5	45	2.64
621	Cow	50	62	41.5	37.5	2.54
621	Sleigh	100	93	73.75	66.5	3.41

STANDARD METHOD OF PACKING BELLS FOR FOREIGN SHIPMENT

No.	Size Gong	Number to case	Approximate Weights Gross	Legal	Net	Cu. ft.
655	Buzzer	100	73	56.5	53	2.12
658	Monitor	100	110	90	81	2.56
661	Monitor	100	150	128	120	3.05
666	Buzzer	1000	220	190	170	4.29
621-L	4″	6	24.5	14.75	13	1.08
621-L	5″	6	25	15.5	13.25	1.08
621-L	6″	6	29	18	15.75	1.16
641-L	4″	6	25.5	16.25	13	1.09
641-L	5″	6	29.5	18.5	14	1.32
641-L	6″	6	35	22.25	16.75	1.64
641-L	8″	4	41	24.75	17.25	2.12
642-T	4″	6	28.5	19	14.5	1.09
642-T	5″	6	30.25	19.25	14.75	1.32
642-T	6″	6	34.75	22	16.5	1.64
642-T	8″	4	39.5	23.5	16	2.12
620	2½″	10	34.75	22.5	14	1.4
620	3″	10	35	23	14.5	1.4
620	4″	10	37	24.75	16.5	1.4
620	5″	6	42.5	27	19.75	2.05
620	6″	6	44.75	29.5	23.25	2.05
620	7″	4	40.75	24.75	18.5	2.02
620	8″	4	45.75	29.75	23.5	2.02
620	10″	4	58.5	39.5	31	2.59
622	5″	6	60	46.5	39.25	1.79
622	6″	6	62.75	49.5	42.25	1.79
622	8″	4	56.75	41.25	34.25	2.04
622	10″	4	77.5	55.25	46.5	2.71
622	12″	4	94.5	66	56	3.74
624	5″	6	60	46.5	39.25	1.79
624	6″	6	62.75	49.5	42.25	1.79
624	8″	4	56.75	41.25	34.25	2.04
624	10″	4	77.5	55.25	46.5	2.71
624	12″	4	94.5	66	56	3.74

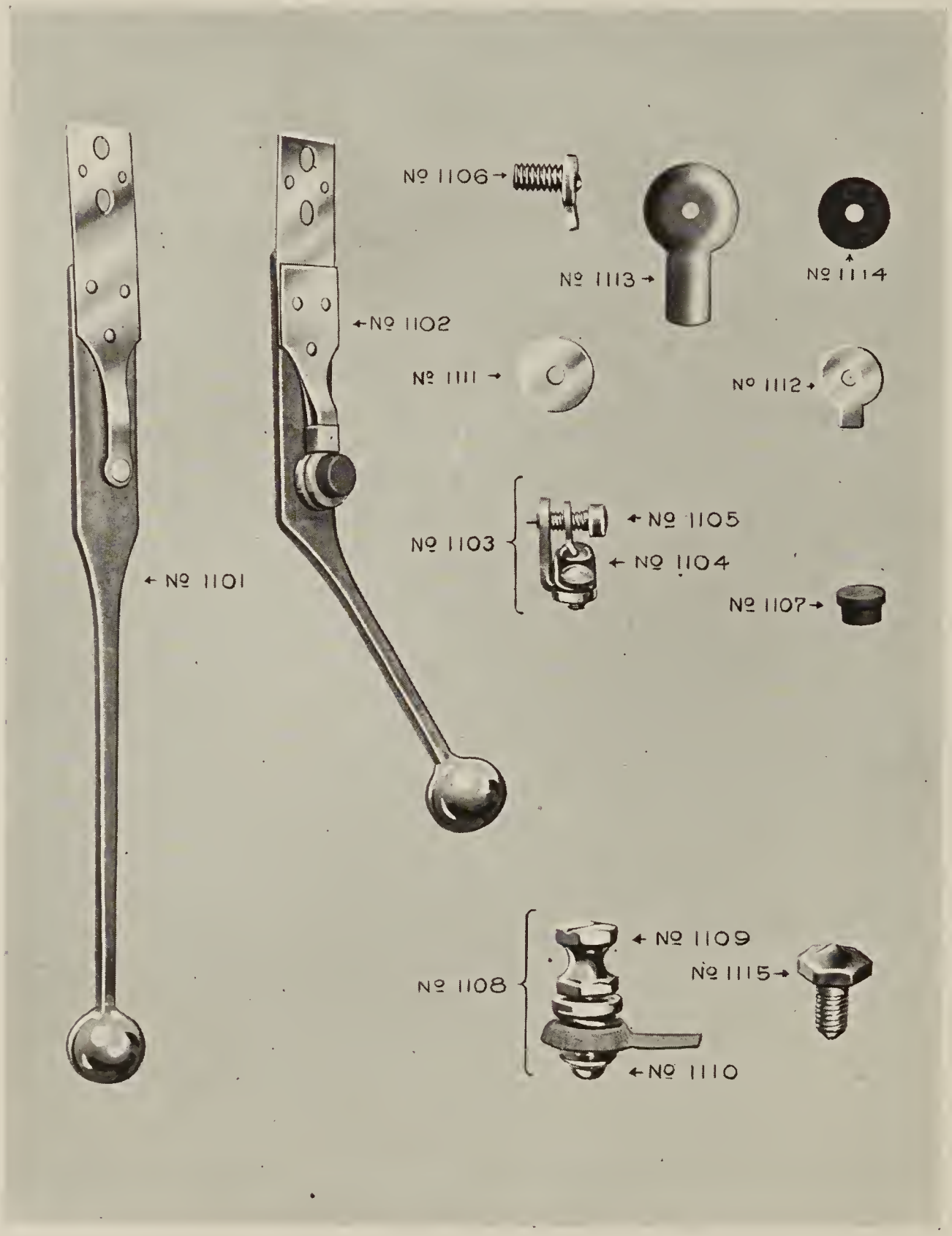
Nos. 620, 622 AND 624 BELL PARTS



Nos. 620, 622 AND 624 BELL PARTS

	For 2½", 3" and 4" Bells		For Bells larger than 4"	
	Catalog Number	List Price	Catalog Number	List Price
Armature Complete	1001	$2.50	1001 A	$4.50
Armature Hinge Bracket Complete	1002	2.00	1002 A	3.25
Armature Hinge Bracket Only	1003	1.15	1003 A	1.85
Armature Hinge Bracket Upper Pivot Screw and Lock Nut	1004	.50	1004 A	.75
Armature Hinge Bracket Lower Pivot Screw	1005	.45	1005 A	.65
Breaker Post Complete	1006	.90	1006 A	1.25
Breaker Post Only	1007	.25	1007 A	.40
Breaker Post Contact Screw with Silver Contact	1008	.50	1008 A	.75
Breaker Post Contact Screw with Tungsten Contact	1009	1.00	1009 A	1.40
Contact Spring Binding Post Complete	1010	.90	1010 A	1.25
Contact Spring Binding Post Nut	1011	.40	1011 A	.50
Contact Spring Binding Post Base	1012	.25	1012 A	.40
Contact Spring with Silver Contact	1013	.40	1013 A	.65
Contact Spring with Tungsten Contact	1014	.90	1014 A	1.25
Rear Binding Post Complete	1015	.90	1015 A	1.25
Rear Binding Post Nut	1016	.40	1016 A	.50
Rear Binding Post Base	1017	.25	1017 A	.40
Tension Post Complete with Screw	1018	.40	1018 A	.65
Tension Post Only	1019	.25	1019 A	.40
Tension Post Screw Only	1020	.20	1020 A	.40
Tension Spring	1021	.15	1021 A	.20
Gong Screw	1022	.15	1022 A	.25
Gong Washer	1023	.15	1023 A	.15
Bronze Lip Washer	1024	.10	1024 A	.10
Fibre Lip Washer	1025	.05	1025 A	.05
Round Fibre Washer	1026	.05	1026 A	.05

Nos. 621-L, 641-L AND 642-T BELL PARTS



Nos. 621-L, 641-L AND 642-T BELL PARTS

Catalog Number		List Price
1101	Armature Complete for 621-L and 641-L	$1.25
1102	Armature Complete for 642-T	2.50
1103	Contact Post Complete with Contact Screw, Check Lever, Fibre Washer and Screws for 621-L and 641-L	.65
1104	Contact Post with Screws and Fibre Washer for 621-L and 641-L	.25
1105	Contact Screw and Check Lever with Coin Silver Contacts for 621-L and 641-L	.40
1106	Contact Screw and Check Lever for 642-T	.25
1107	Carbon Contact for 642-T	.20
1108	Binding Post Complete for 621-L, 641-L and 642-T	.40
1109	Binding Post Thumb Nut	.15
1110	Binding Post Screw	.05
1111	Binding Post Threaded Brass Washer	.10
1112	Binding Post Metal Lip Washer	.05
1113	Binding Post Fibre Lip Washer	.25
1114	Binding Post Round Fibre Washer	.05
1115	Gong Screw	.25
1116	Cover for 621-L	1.25
1117	Cover for 641-L and 642-T	.75

Nos. 631, 641, 659, 621, 655 AND 660 BELL PARTS

Catalog Number		List Price
1201	Breaker Post Adjusting Screw with Contact and Check Nut	$0.20
1202	Binding Post Complete	.20
1203	Binding Post Thumbnut	.10
1204	Binding Post Threaded Washer	.03
1205	Binding Post Metal Lip Washer	.02
1206	Binding Post Fibre Lip Washer	.02
1207	Binding Post Round Fibre Washer	.02
1208	Binding Post Screw	.02
1209	Gong Screw	.02
1210	Gong Nut	.02
1211	No. 631 Cover	.20
1212	No. 641 Cover	.20
1213	No. 659 Cover	.20
1214	No. 621 Cover	.30
1215	No. 655 Cover	.30
1216	No. 660 Cover	.20

NICKEL PLATED STEEL GONGS

Catalog Number	Size	List Price
1301	2½″	$0.30
1302	3″	.45
1303	4″	.65
1304	5″	1.25
1305	6″	1.50
1306	7″	2.50
1307	8″	3.50
1308	10″	6.25
1309	Cow 2″ x $1\frac{9}{16}$″	1.25
1310	Sleigh $1\frac{9}{16}$″	1.25

NICKEL PLATED BRASS GONGS

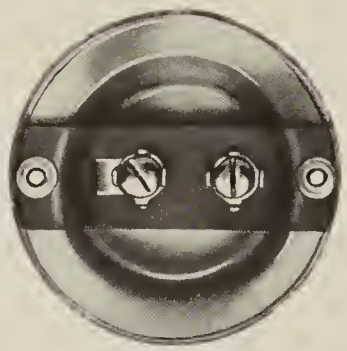
Catalog Number	Size	List Price
1311	2″	$0.50
1312	2½″	.60
1313	3″	1.00
1314	4″	1.50
1315	5″	2.50
1316	6″	3.75
1317	8″	6.25
1318	10″	8.75
1319	12″	13.75

Push Buttons

THE ANSONIA ELECTRICAL CO.
ANSONIA, CONN.

On the following pages we are listing and illustrating our line of push buttons, and we believe that in the assortment shown you will find buttons which will meet all your requirements.

Loose Fibre
Push Back



No. 527
Fixed Fibre
Push Back

It has been customary with us to furnish all our buttons, with the exception of Nos. 506, 507 and 527, with loose fibre backs as illustrated; but you will note that we now list our stamped metal plate pushes as being fitted with fixed backs as shown in the illustration of the No. 527 on this page. Unless otherwise specified these buttons will be furnished in this manner. It is not our intention to discontinue the loose backs, and where orders are received by us calling for buttons fitted with them we will be pleased to furnish them at no additional cost.

On all push buttons, with the exception of those on which we list Nickel Plated as either standard or optional, and those cast buttons we list as being furnished only in Polished Bronze and Black Inlaid, our standard finishes are Polished Brass, Brushed Brass, Polished Bronze and Antique Copper. It is also possible for us to furnish some special finishes where requested to do so, but for this there is an additional charge. In order to avoid any misunderstanding or delay in the filling of orders we would request that you specify the finish desired on all buttons ordered.

Push buttons listed on the following pages can be obtained through any of the electrical supply jobbers.

Nos. 508-508B CAST PUSHES

Loose Back—Screw Cap
Size 2¾" Diameter

Container	Standard Pkg.
10	100

Furnished only in Polished Bronze and Black Inlaid
List Price $1.20

Nos. 508-508B

Nos. 510-510B CAST PUSHES

Loose Back—Screw Cap
Size 2¾" Diameter

Container	Standard Pkg.
10	100

Furnished only in Polished Bronze and Black Inlaid
List Price $1.20

Nos. 510-510B

No. 511 CAST PUSH

Loose Back—Screw Cap
Size 1 7/16" Diameter

Container	Standard Pkg.
50	200

List Price $.70

No. 511

No. 512 CAST PUSH

Loose Back—Screw Cap
Size 2⅜" Diameter

Container	Standard Pkg.
25	100

List Price $1.20

No. 512

Nos. 540-540B CAST PUSHES

Loose Back
Size 2¼" Diameter

Container	Standard Pkg.
25	100

Furnished only in Polished Bronze and Black Inlaid
List Price $.60

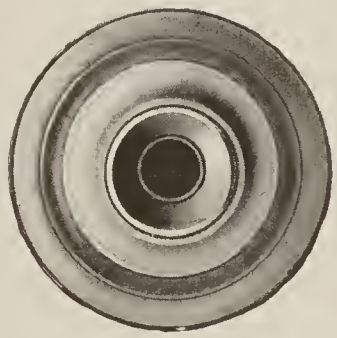
Nos. 540-540B

No. 550 CAST PUSH

Loose Back—Screw Cap
Size 2⅛" Diameter

Container	Standard Pkg.
25	100

List Price $.90


No. 550

Nos. 570-570B CAST PUSHES

Loose Back—Screw Cap
Size 2⅛" Diameter

Container	Standard Pkg.
25	100

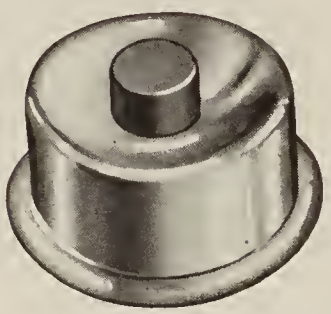
Furnished only in Polished Bronze and Black Inlaid
List Price $.80

Nos. 570-570B

No. 541 STAMPED PUSH

Fixed Back
Size 2" x 5½"
List Price $2.00

No. 541



No. 513

No. 513 STAMPED PUSH
Loose Back
Size 1 5/16" diameter

Container	Standard Pkg.
50	200

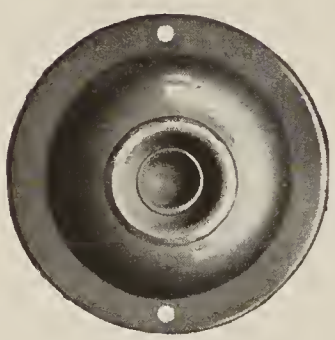
List Price $.70

No. 514 STAMPED PUSH
Loose Back
Size 1½" diameter

Container	Standard Pkg
50	200

List Price $.30

No. 514



No. 515

No. 515 STAMPED PUSH
Loose Back
Size 2¼" diameter

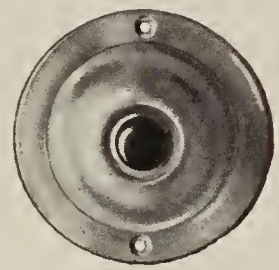
Container	Standard Pkg.
50	100

List Price $.40

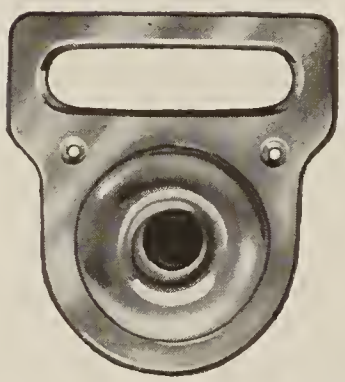
No. 506 STAMPED PUSH
Fixed Back
Size 1½" diameter

Container	Standard Pkg.
100	500

List Price $.20



No. 506



No. 507

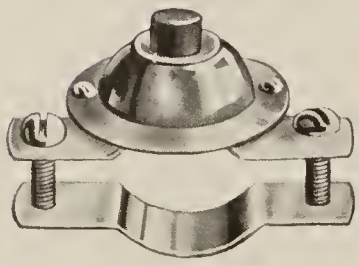
No. 507 STAMPED PUSH
Fixed Back
Size 2⅛" x 2⅜"
Standard Package 100
List Price $.35

No. 527 STAMPED PUSH
Fixed Back
Size 2¼" diameter

Container	Standard Pkg.
100	500

List Price $.24

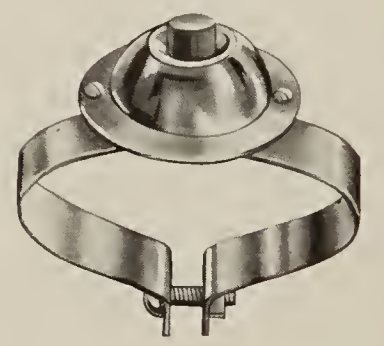
No. 527



No. 214

No. 214 AUTOMOBILE PUSH
Steering Wheel Spider Clamp
List Price $.50

No. 215 AUTOMOBILE PUSH
Steering Column Clamp
List Price $.50



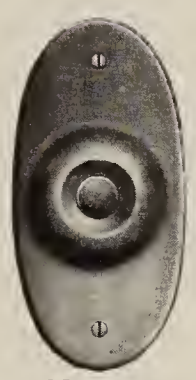
No. 215

No. 528

No. 528 STAMPED PUSH
Fixed Back
Size 2″ x 4¾″
Container 25 Standard Pkg. 150
List Price $1.00

No. 529 STAMPED PUSH
Fixed Back
Size 2″ x 4″
Container 25 Standard Pkg. 150
List Price $1.00

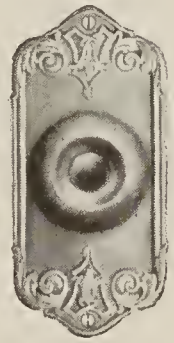
No. 529



No. 530

No. 530 STAMPED PUSH
Fixed Back
Size 2″ x 4″
Container 25 Standard Pkg. 150
List Price $1.00

No. 531 STAMPED PUSH
Fixed Back
Size 2″ x 4¼″
Container 25 Standard Pkg. 150
List Price $1.00



No. 531

No. 532

No. 532 STAMPED PUSH
Fixed Back
Size 2″ x 4″
Container 25 Standard Pkg. 150
List Price $1.00

No. 534 STAMPED PUSH
Fixed Back
Size 2″ x 4″
Container 25 Standard Pkg. 150
List Price $1.00

No. 534

No. 536

No. 536 STAMPED PUSH
Fixed Back
Size 2″ x 4″
Container 25 Standard Pkg. 150
List Price $1.20

No. 537 STAMPED PUSH
Fixed Back
Size 1⅜″ x 4″
Container 25 Standard Pkg. 150
List Price $1.20

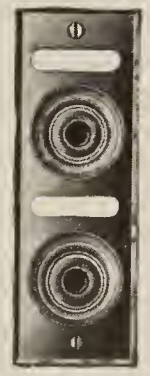
No. 537

No. 538

No. 538 STAMPED PUSH
Fixed Back
Size 2⅜" x 4¼"
Container 10 Standard Pkg. 150
List Price $1.50

No. 544 STAMPED PUSH
Fixed Back
Size 2" x 4"
Container 10 Standard Pkg. 100
List Price $1.40

No. 544



No. 545-2 Gang

No. 545-2 GANG STAMPED PUSH
Fixed Back
Size 2" x 6"
Container 10 Standard Pkg. 100
List Price $2.20

No. 545-3 GANG STAMPED PUSH
Fixed Back
Size 2" x 8⅝"
List Price $3.20

No. 545-3 Gang

No. 545-4 Gang

No. 545-4 GANG STAMPED PUSH
Fixed Back
Size 2" x 11¼"
List Price $4.40

No. 546 STAMPED PUSH
Fixed Back
Size 2" x 5½"
Container 10 Standard Pkg. 100
List Price $2.00

No. 546

No. 547

No. 547 STAMPED PUSH
Fixed Back
Size 1⅜" x 4½"
Fixed Back
Container 10 Standard Pkg. 100
List Price $1.80

No. 548 STAMPED PUSH
Fixed Back
Size 1⅜" x 4"
Container 10 Standard Pkg. 100
List Price $.80

No. 548

No. D-33

No. D-33 DESK PUSH

Sizes 5/8" and 11/16" Diameter

Container	Standard Pkg.
50	100

List Price $.45

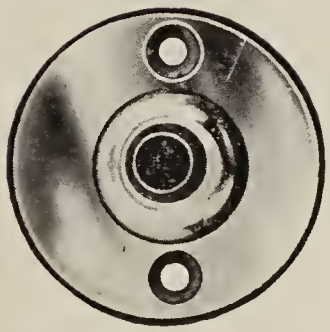
Are absolute in contact, dust and moisture proof. Springs are of German Silver, fitted to a moulded composition back so placed in a recess as to prevent shifting from their proper position, insuring perfect contact and making short circuiting impossible. The active parts are self-contained in a face plate, drawn from heavy brass or bronze. This push is also fitted with side spring clips, which hold same firmly in place when installed.

All parts of this button are interchangeable.

Black center will be furnished unless otherwise specified.

All finishes carried in stock.

No. D-33



No. E-33

No. E-33 STAMPED FLUSH PUSH

No. D-33 center

Size 1 5/8" diameter

Container	Standard Pkg.
25	100

List Price $.76

No. F-33

No. F-33 STAMPED FLUSH PUSH

No. D-33 center

Size 1" x 1 3/4"

Container	Standard Pkg.
25	100

List Price $.76

No. G-33

No. G-33 STAMPED FLUSH PUSH

No. D-33 center

Size 1 3/4" x 1 3/4"

Container	Standard Pkg.
25	100

List Price $.76

No. 505

No. 505 WOOD PEAR PUSH

No. 562 center

Size 3" long

Container	Standard Pkg.
25	100

List Price $.60

No. 562 Closed

No. 562 DESK PUSH

Size 3/4" Diameter

Container	Standard Pkg.
50	100

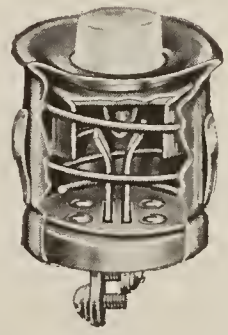
List Price $.40

Fitted with German Silver rubbing contact springs, inclosed in a one-piece drawn brass or bronze shell which renders it dust proof. It is simple in construction and will not easily get out of order.

Furnished with outside springs to hold push in place if so desired without additional charge.

Concave white or black push centers used. White will be furnished unless otherwise specified.

All finishes carried in stock.



No. 562 Open

No. 521

No. 521 STAMPED FLUSH PUSH
No. 562 center
Size 1½" x 3⅝"
Container 10 — Standard Pkg. 100
List Price $.80

No. 524 STAMPED FLUSH PUSH
No. 562 center
Size $1\frac{5}{16}$" x 3¾"
Container 10 — Standard Pkg. 100
List Price $.80

No. 524

No. 533

No. 533 STAMPED FLUSH PUSH
No. 562 center
Size 1¼" x 4"
Container 10 — Standard Pkg. 50
List Price $1.00

No. 535 STAMPED FLUSH PUSH
No. 562 center
Size $1\frac{3}{16}$" x 4"
Container 10 — Standard Pkg. 50
List Price $1.10

No. 535

No. 543

No. 543 STAMPED FLUSH PUSH
No. 562 center
Size $1\frac{3}{16}$" x 4½"
Container 10 — Standard Pkg. 50
List Price $1.50

No. 549 STAMPED FLUSH PUSH
No. 562 center
Size 2¾" x 4½"
Container 10 — Standard Pkg. 100
List Price $1.40

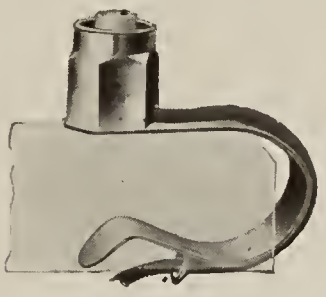
No. 549

No. 577

No. 577 STAMPED FLUSH PUSH
No. 562 center
Size 2" x 2"
Container 25 — Standard Pkg. 100
List Price $.76

No. 578 STAMPED FLUSH PUSH
No. 562 center
Size 2" x 3¼"
Container 25 — Standard Pkg. 100
List Price $.80

No. 578



No. 571

No. 571 TABLE CLAMP

No. 562 Center

Container 25 — Standard Pkg. 100

List price, $0.90

For use with dining or card tables, desks or other movable furniture, easily applied and so arranged as not to mar the furniture. When used in connection with the extension plug and 560 or 561 floor push makes a complete extension push.

No. 560

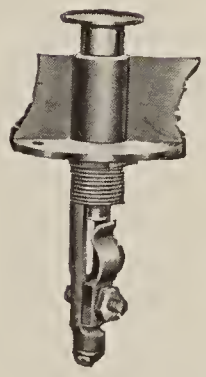
No. 560 FLOOR PUSH

Nickel Plated

Container 25 — Standard Pkg. 100

List price, $0.80

Is composed of a brass casting, the body of which is 5/8" in diameter and 2½" long under the plate, extending through the floor, allowing easy connection after it is placed in position.



No. 561

No. 561 UNDER FLOOR PLATE

Adjustable Plate — Nickel Plated

Container 25 — Standard Pkg. 100

List Price, $1.00

This is essentially the same as No. 560 with the exception that the plate is designed to go underneath the floor; thus in the case of hardwood floors the only cutting necessary is the boring of a 5/8" hole, which can be easily plugged should the push ever be removed. The plate is adjustable so that it will take any thickness of floor from ¾" to 1⅛".

Extension Plug

Nos. 573 and 575 COMBINATION FLOOR PUSHES

Nickel Plated

Container 25 — Standard Pkg. 100

No. 573 List price, $3.00
No. 575 List price, 3.20

The No. 573 combination consists of our No. 560 floor push, No. 571 table clamp, extension plug and 6 feet cord. The No. 575 is the same with the exception that the No. 561 floor push is used.

COMBINATION FLOOR PUSH PARTS

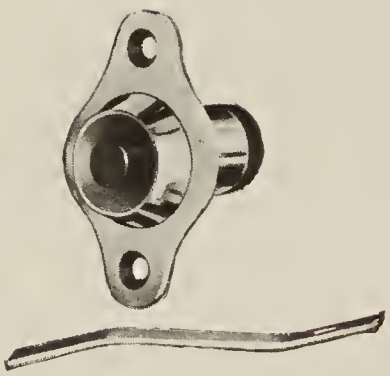
	List Price
Extension Plug	$0.70
Plunger	.20
6-foot Cord	.70
8-foot Cord	1.00

No. 565 CAR PUSH

Nickel Plated

This push is designed for use in street cars or automobile busses where passenger signal bells or buzzers are used. The working parts are completely inclosed, making the push dust-proof and protecting them from injury. Contact is made by means of the contact spring illustrated. Face plate is 1½″ x ⅞″. Body of Push ½″ diameter. Push Centers are of black hard rubber.

Standard Package	List Price
500	$0.60



No. 565

No. 0565 CAR PUSH CONTACT SPRING

German Silver

1⅞″ Long ¼″ Wide .022 Thick

Standard Package	List Price
500	$0.04

No. 566 CAR PUSH

Nickel Plated

Size 1½″ x ⅞″

This push is of the same shape and size as the No. 565, but is self-contained, connections being made direct to terminals on the button itself, no contact spring being required.

Standard Package	List Price
500	$0.60

No. 579 STAMPED FLUSH PUSH

No. 579 Closed

No. 562 Center

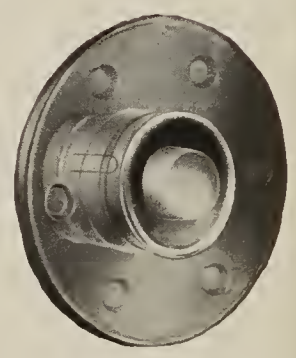
Size 1⅞″ diameter

Container	Standard Package
25	100

List Price $0.76

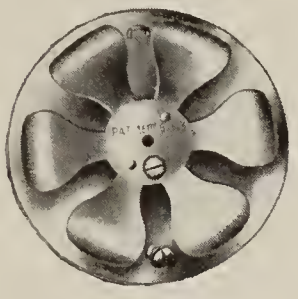
The above is composed of a stamped rounded edge face plate, steel escutcheon and our No. 562 Desk push. It is designed for interior work especially where pushes are to be mounted on plastered walls. The face plate is designed to cover any irregularity of screw positions and is held firmly in place by the push when inserted.

All finishes carried in stock.



No. 579 Open

No. 800 DAISY FLOOR TREAD



No. 800

3¾" diameter
Polished Brass Finish

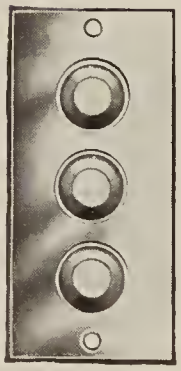
Container	Standard Pkg.	List Price
25	50	$2.50

Bottom covered with thick felt to prevent scratching floors.

Designed to be used in dining-rooms or other places where floor pushes are used, it can be installed and used underneath the rug without the undesirable feature of damaging valuable rugs by putting holes in them for the cord and extension plug, which is necessary when old style extension floor pushes are used.

The above are put up one each in a neat slide cover, lock-corner wooden box neatly labeled.

Nos. 5002-5006 COMPOUND BELL PUSHES



No. 5003

Stamped Plate—Beveled Edges
No. 562 Center
Nickel Plated

Number	Size	Standard Pkg.	List Price
5002	1 3/16" x 2¾"	10	$0.90
5003	1 3/16" x 3¾"	10	1.20
5004	1 3/16" x 4¾"	10	1.50
5005	1 3/16" x 5¾"	10	2.00
5006	1 3/16" x 6¾"	10	2.50

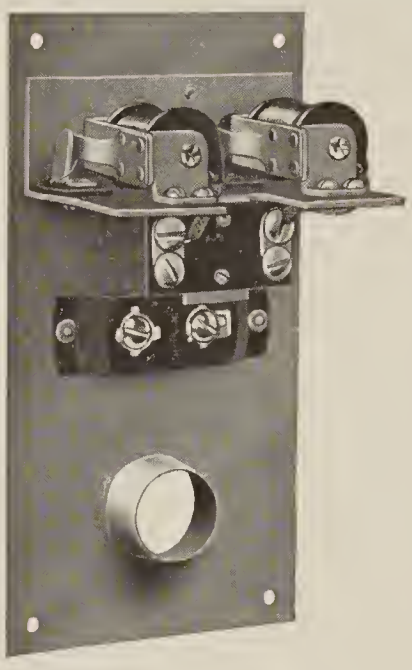
No. 592 GAS LIGHTING KEYS

No. 592

Stamped Metal Plate
No. 562 Center
Nickel Plated and Brushed Brass

Number	Size	Standard Pkg.	List Price
592—1 light	2" x 3"	100	$0.90
592—2 lights	3" x 3"	50	1.44
592—3 lights	3" x 4"	50	2.00
592—4 lights	3" x 5"	25	2.60
592—5 lights	3" x 6"	25	3.60
592—6 lights	3" x 7"	25	4.60

No. 670 APARTMENT HOUSE CALL



In response to a demand for a simple, dignified wall plate containing the necessary equipment for one apartment, we have developed the 670 Apartment House Call. This unit consists of a brass panel on which is mounted a 656 single coil bell movement with a 2″ gong, a 656 buzzer movement, a fixed back push button, and a speaking tube mouthpiece. This, in a very compact form furnishes the equipment for all need. The bell as a front door call. The buzzer as a rear door or dining-room signal, the push button to operate the electric door opener, and the speaking tube for communication between the main apartment and the vestibule.

Size 6⅝″ x 3½″

Nickel Plated and Brushed Brass

List Price, $3.50

No. 700
Wood Base
Switch

No. 700 WOOD BASE SWITCHES

Number of Points	Standard Package	List Price
1	100	$0.36
2	100	.40
3	100	.44
4	100	.56
5	50	.64
6	50	.70
7	25	.76
8	25	.80
9	25	.86
10	25	.90
11	25	.96
12	25	1.00

Loose Fibre
Push Button
Back

LOOSE FIBRE PUSH BUTTON BACKS

Number	Diameter	Used in Buttons	List Price
0510	1¾″	508, 510, 538	$0.20
0514	1″	511, 514	.14
0512	1 23/32″	512	.20
0515	1⅝″	515, 540	.18
0537	1 3/16″	537, 547, 548	.16
0550	1½″	528, 529, 530 531, 532, 534 536, 544, 545 546, 550, 570	.18

STANDARD METHOD OF PACKING PUSH BUTTONS FOR DOMESTIC SHIPMENT

No.	Std. Pkg.	Gross, Lbs.	Tare Lbs.	Net, Lbs.
505	100	17	11	6
506	500	16	5.5	10.5
507	100	7	2.75	4.25
508	100	41	11.7	29.3
510	100	43	12.1	30.9
511	200	24	9.4	14.6
512	100	27	9.3	17.7
513	200	17	4.5	12.5
514	200	14	9	5
515	100	17	9	8
521	100	21	11.6	9.4
524	100	22	12.7	9.3
527	500	35.5	8	27.5
528	150	38	15.7	22.3
529	150	34	12.4	21.6
530	150	31	12	19
531	150	33	12.3	20.7
532	150	33	12	21
533	100	27	12.5	14.5
534	150	31	12	19
535	50	18	8.5	9.5
536	150	46	12.4	33.6
537	150	38	14.6	23.4
538	150	35.75	4.25	31.5
540	100	25	9.1	15.9
543	50	20	9	11
544	100	35	12.6	22.4
545-2gang	100	50	17	33
546	100	47	16.2	30.8
547	100	34	13.7	20.3
548	100	18	10	8
549	100	36	17.4	18.6
550	100	24	8.5	15.5
560	100	24	10.8	13.2
561	100	26	10.8	15.2

STANDARD METHOD OF PACKING PUSH BUTTONS FOR DOMESTIC SHIPMENT

No.	Std. Pkg.	Gross, Lbs.	Tare Lbs.	Net, Lbs.
565	500	37	14	23
566	500	36	14.5	21.5
570	100	27	8.2	18.8
571	100	20	11.2	8.8
573	50	31	13.6	17.4
575	50	32	13.6	18.4
577	100	20	8.7	11.3
578	100	23	12.7	10.3
579	100	15	7.8	7.2
D-33 5/8"	100	5	3.1	1.9
D-33 11/16"	100	5	2.6	2.4
E-33	100	14	7.3	6.7
F-33	100	14	7.7	6.3
G-33	100	17	7.6	9.4
592 1-Lt	100	27	11.4	15.6
592 2-Lt	50	24	12	12
592 3-Lt	50	29	13	16
592 4-Lt	50	35	15	20
592 5-Lt	50	43	18.8	24.2
592 6-Lt	50	49	20.8	28.2
5002	10	3	1.5	1.5
5003	10	3	1	2
5004	10	4	1.25	2.75
5005	10	5	1.75	3.25
5006	10	6	2.25	3.75
800	100	38	15.5	22.5
0510	100	4	1.6	2.4
0512	100	4	1.7	2.3
0514	200	3	1.2	1.8
0515	100	3	.8	2.2
0537	200	3	1.2	1.8
0550	100	3	1.1	1.9
Large Push Centers	1000	6	1	5
Small Push Centers	1000	4	1	3

STANDARD METHOD OF PACKING PUSH BUTTONS FOR EXPORT SHIPMENT

Number	Standard Package	Gross Weight	Tare	Legal	Net	Cubic Feet	Material predominating
505	100	20	14	7.9	6	1.1	Wood
506	500	27	16.5	13.82	10.5	.98	Brass
507	100	17	12.75	5.72	4.25	.90	"
508	100	45	15.7	31.5	29.3	1.09	"
510	100	46	15.1	33.2	30.9	1.09	"
511	200	27	12.4	16.6	14.6	.85	"
512	100	30	12.3	19.6	17.7	.96	"
513	200	28	15.5	16	12.5	.85	"
514	200	17	12	7	5	.85	"
515	200	34	18	19.8	16	1.43	"
521	100	26	16.6	11.3	9.4	1.2	"
524	100	26	16.7	11.2	9.3	1.2	"
527	500	58	30.5	34.1	27.5	2.75	"
528	150	42	19.6	26.2	22.4	1.55	"
529	150	37	15.4	24.9	21.6	1.32	"
530	150	35	15.9	22.4	19.1	1.32	"
531	150	37	16.3	24	20.7	1.32	"
532	150	37	16	24.3	21	1.32	"
533	150	31	15.5	16.5	14.5	1.2	"
534	150	35	16.1	22.2	18.9	1.32	"
535	50	21	11.5	10.8	9.5	.87	"
536	150	50	16.4	26.9	33.6	1.32	"
537	150	42	18.6	25.8	23.4	1.3	"
538	150	52	20.5	35.7	31.5	1.55	"
540	100	28	12.1	17.8	15.9	.96	"
541	50	30	13.75	18.25	16.25	1.1	"
543	50	24	12.9	12.4	11.1	.87	"
544	100	39	16.6	24.6	22.4	1.2	"
545	100	55	22	36.1	33	1.85	"
546	100	53	22.2	33.9	30.8	1.85	"
547	100	38	17.7	22.9	20.3	1.36	"
548	100	21	13.1	9.5	7.9	.8	"
549	100	41	22.4	22.2	18.6	1.9	"
550	100	26	10.5	17.2	15.5	.72	"
560	100	28	14.8	15.6	13.2	1.1	"
561	100	30	14.8	17.6	15.2	1.1	"
562	100	6	3.8	2.6	2.2	.22	"

STANDARD METHOD OF PACKING PUSH BUTTONS FOR EXPORT SHIPMENT

Number	Standard Package	Gross Weight	Tare	Legal	Net	Cubic Feet	Material predominating
565	500	41	18	27	23	1.2	"
566	500	40	18.5	25.5	21.5	1.2	"
570	100	30	11.2	20.5	18.8	.72	"
571	100	23	14.2	10.7	8.8	.72	"
573	50	35	17.6	19.4	17.4	1.04	"
575	50	36	17.6	22.6	18.4	1.04	"
577	100	22	10.7	14.8	11.3	.85	"
578	100	27	16.7	15	10.3	1.43	"
579	100	17	9.8	8.2	7.2	.85	"
D33-5/8"	100	6	4.1	2.3	1.9	.22	Brass
D33-11/16"	100	6	3.6	2.8	2.4	.22	"
E33	100	16	9.3	7.7	6.7	.85	"
F33	100	16	9.7	7.3	6.3	.85	"
G33	100	19	9.6	10.4	9.4	.85	"
592-1Lt	100	33	17.4	17.8	15.6	.91	"
592-2Lt	50	27	16.9	13.5	12.1	.72	"
592-3Lt	50	33	16.9	17.9	16.1	.87	"
592-4Lt	50	39	18.9	22.3	20.1	1.02	"
592-5Lt	50	48	23.8	26.7	24.2	1.18	"
592-6Lt	50	55	26.8	31	28.2	1.33	"
5002	10	5	3.4	1.8	1.6	.12	"
5003	10	5	2.9	2.4	2.1	.2	"
5004	10	6	33	3	2.7	.22	"
5005	10	7	3.8	3.5	3.2	.24	"
5006	10	8	4.2	4.1	3.8	.24	"
800	100	52	29.5	33.8	22.5	1.8	"
0510	100	5	3.2	2	2.3	1.8	Fibre (Back)
0512	100	6	3.7	2.7	2.3	.21	"
0514	200	5	3.2	2	1.8	.17	"
0515	100	5	2.8	2.5	2.2	.17	"
0537	200	5	3.2	2	1.8	.17	"
0550	100	5	3.1	2.2	1.9	.17	"
Large Push Centers	1000	7	2.5	5.4	4.5	.25	Composition
Small Push Centers	1000	5	2.2	3.7	2.8	.16	"
214-Auto Push	200	37	14	25.5	23	1.4	Brass
215-Auto Push	200	33	14.5	21.5	18.5	1.4	"
513	100	14	7.9	7.1	6.1	.4	"

ANNUNCIATOR WIRE

Insulated with two winds of cotton yarn applied in opposite directions, saturated with a wax compound and highly polished. Furnished in solid or mixed colors. Put up on spools containing about 7 lbs. each, or in 1-lb. and ½-lb. coils packed in cases.

DAMPPROOF OFFICE WIRE

This wire is double braided, the inner braid saturated with black weatherproof compound. The outer braid is specially treated with wax, and highly polished. Dampproof office wire is carried regularly in the following colors: Red, red and white, blue, and blue and white. It is put up in coils of about 10 lbs. each, or on spools of 5 lbs. each and packed in cases of approximately 150 lbs. each.

Sizes 16 and 18 wire, in red, red and white, blue, blue and white, are also carried in duplex wire, being two separately insulated conductors under one braid.

D. P. OFFICE—OFFICE AND ANNUNCIATOR WIRE

DIFFERENTIALS TO BE ADDED TO BASE PRICE

SIZE	ANNUNCIATOR	OFFICE and D. P. OFFICE		ADDITIONAL CHARGES For Putting Up in Special Form					
B. & S. Ga.	Regular Spools	Regular Coils	5 or 10 lb. Spools	½ lb. Coils	1 lb. Coils	2 lb. Coils	1 & 2 lb. Spools	Cables	Duplex and Tw. Pr.
14	.06	.12	.17						
16	.08	.14	.20						
18	.11	.16	.21						
20	.18			.02	.01	.00½	.05	.04	.02
22	.22								
For Tinned Wire Add .02½ Per Pound				PER POUND					

Note.—2 Conductor Annunciator (or Duplex) and Twisted Pair Dampproof Office, and cables composed of either annunciator or office wires, come under the heading of D. P. Office Wire owing to the nature of the finish of same.

Cables composed of either annunciator or office wires, .04 per lb, advance over the size wire used. Where two or more sizes are used in the make-up of the cable, the price of the finer size applies

Approximate Weight per 1000 Feet and Feet per Pound. Damp-proof Office and Annunciator Wire and Cables

Size and Kind	Feet per Pound: Single Conductor	Twisted Pair	2 Cond'r Parallel Annunciator	D.P.
ANNUNCIATOR WIRE				
No. 12 B.&S.	44	21		19
14 "	68	33		28
16 "	104	51	40	37
18 "	158	77	55	53
19 "	186	90	64	
20 "	225	108	75	70
21 "	266	127		
22 "	314	150		
D.P. OFFICE				
No. 12 B.&S.	34	16		
14 "	50	24		
16 "	68	33		
18 "	100	48		
20 "	136	65		

No. of Conductors	Pounds per 1000 ft. composed of ANNUNCIATOR WIRE No. 18	No. 20	D.P. OFFICE WIRE No. 18	No. 20
3	25	18	48	39
4	32	23	62	50
6	44	32	95	77
8	70	52	119	95
10	85	61	146	117
12	99	66	173	138
14	120	86	199	158
16	134	95	224	178
18	144	101	248	196
20	161	113	272	215
22	174	121	299	236
24	195	137	327	258
26	220	158	356	281

FLEXIBLE ELEVATOR ANNUNCIATOR CABLE

Each conductor is composed of 16 strands of No. 30 B. & S. Ga. Soft Copper Wire laid together and insulated with two winds of cotton wound in reverse directions and one cotton braid, color coded. These insulated conductors are cabled around a stout core of jute which gives extra tensile strength and increased flexibility and the whole is covered with two braids of cotton, the inner braid white and the outer black. This is a dry braid cable.

APPROXIMATE WEIGHT PER 1000 FEET

Number of Conductors	Pounds	Number of Conductors	Pounds
4	39	13	109
5	47	14	115
6	55	15	123
7	63	16	130
8	71	17	138
9	79	18	145
10	86	19	152
11	94	20	160
12	102		

LIST PRICES PER 1000 FEET OF FLEXIBLE ELEVATOR ANNUNCIATOR CABLE

Number of Conductors	BASES 13	14	15	16	17	18
3	74.60	74.90	75.50	75.80	76.40	77.00
4	83.40	83.70	84.50	84.90	85.70	86.00
5	90.50	91.00	92.00	92.50	93.50	94.50
6	108.60	109.20	110.40	111.00	112.20	113.40
7	126.70	127.40	128.80	129.50	130.90	132.30
8	144.80	145.60	147.20	148.00	149.60	151.20
9	162.90	163.80	165.60	166.50	168.30	170.10
10	181.00	182.00	184.00	185.00	187.00	189.00
11	199.10	200.20	202.40	203.50	205.70	207.90
12	217.20	218.40	220.80	222.00	224.40	226.80
13	235.30	236.60	239.20	240.50	243.10	245.70
14	253.40	254.80	257.60	259.00	261.80	264.60
15	271.50	273.00	276.00	277.50	280.50	283.50
16	289.60	291.20	294.40	296.00	299.20	302.40
18	325.80	327.60	331.20	333.00	336.60	340.20
20	362.00	364.00	368.00	370.00	374.00	378.00

Number of Conductors	BASES 19	20	21	22	23	24
3	77.30	77.75	78.20	78.65	79.10	79.55
4	86.90	87.48	88.07	88.65	89.23	89.82
5	95.00	95.75	96.50	97.25	98.00	98.75
6	114.00	114.90	115.80	117.60	117.60	118.50
7	133.00	134.05	135.10	136.15	137.20	138.25
8	152.00	153.20	154.40	155.60	156.80	158.00
9	171.10	172.47	173.83	175.20	176.57	177.93
10	190.00	191.50	193.00	194.50	196.00	197.50
11	209.00	210.65	212.30	213.95	215.60	217.25
12	228.00	229.80	231.60	233.40	235.20	237.00
13	247.00	248.95	250.90	252.85	254.80	256.75
14	266.00	268.10	270.20	272.30	274.40	276.50
15	285.00	287.25	289.50	291.75	294.00	296.25
16	304.00	306.40	308.80	311.20	313.60	316.00
18	342.00	344.70	347.40	350.10	352.80	355.50
20	380.00	383.00	386.00	389.00	392.00	395.00

INDEX

Annunciators

	Page Number
CARD INDICATING	
Construction	10
Price list	11
NEEDLE INDICATING	
Construction	4
Elevator Type, Regular	7
Elevator Type, Regular Up and Down	7
Elevator Type, Style "C"	7
Elevator Type, Style "C" Up and Down	7
Elevator Type, Metal Case	8
Elevator Type, Metal Case Up and Down	8
Flush Type	8
Hotel Type, Regular	5
Hotel Type, Style "B"	5
Hotel Type, Style "B" Return Call	5
Hotel Type, Style "C"	6
Hotel Type, Style "C" Hinged Back	6
Hotel Type, Style "C" Hinged Back Return Call	6
House Type, Regular	5
House Type, Style "C"	6
House Type, Individual Mechanical Reset	9
Special Style Return Call	8
Electric Reset	9
Parts	14
White Enamel Finish	9
Wiring Diagram, Electric Reset	13
Wiring Diagram, Return Call	12

Bells

No. 620 SKELETON BELL	
Construction and list prices	26–27
Net extra charge for Transformer Type	27
Parts	34–35
No. 621 EUREKA CLASS "B" WOOD BOX BELL	
Construction and list prices	23
Parts	38
No. 621-L LARGE TYPE WOOD BOX BELL	
Construction and list prices	23
Parts	36–37
Nos. 622 BATTERY AND 624 TRANSFORMER TYPES WEATHERPROOF BELLS	
List prices	28
Parts	34–35
No. 631 ACME CLASS "A" IRON BOX BELL	
Construction and list prices	17
Parts	38
No. 641 EUREKA CLASS "B" IRON BOX BELL	
Construction and list prices	18
Parts	38
No. 641-L BATTERY TYPE STEEL INCASED BELL	
Construction and list prices	24–25
Parts	36–37

INDEX

Page Number

No. 642-T Transformer and High Voltage Types Steel Incased Bells
- Construction and list prices 24–25
- Parts 36–37

No. 655 Wood Base Metal Cap Class "B" Buzzer
- Construction and list prices 22
- Parts 38

No. 656 Single Coil Iron Box Bell 20
No. 658 Monitor Bell 21
No. 659 Wizard Class "C" Iron Box Bell
- Construction and list prices 19
- Parts 38

No. 660 Combination Bell and Buzzer
- Construction and list prices 20
- Parts 38

No. 661 Monitor Bell 21
No. 666 Nutmeg Watch Case Buzzer 22
No. 670 Apartment House Call 50
Nos. 635, 638 and 639 Telephone Ringers 29
Nickel Plated Steel and Brass Gongs 38
Additions to List Prices for Special Resistance 29
Number of Bells Operated by Transformers 29
Method of Packing for Domestic Shipment 30–31
Method of Packing for Foreign Shipment 32–33

Push Buttons

Construction 40
Apartment House Call 50
Automobile Push Buttons 42
Car Push Buttons 48
Cast Round Screw Cap Push Buttons 41
Cast Round Loose Back Push Buttons 41
Daisy Floor Treads 49
Desk Push Buttons 45
Stamped Plate Push Buttons 43–44
Stamped Flush Plate Push Buttons 45–46
Stamped Flush Plate Compound Push Buttons 49
Stamped Mouthpiece Push Button 42
Table Clamp 47
Table Clamp Combinations 47
Extension Plug 47
Floor Pushes 47
Combination Push Cords 47
Gas Lighting Key 49
Wood Base Switch 51
Wood Pear Push Button 45
Loose Fibre Push Button Backs 51
Method of Packing for Domestic Shipment 52–53
Method of Packing for Foreign Shipment 54–55

Wires

Annunciator Wire 56–57
Dampproof Office Wire 56–57
Office Wire 56–57
Flexible Elevator Annunciator Cable 58–59

INDEX

Catalog number	Page number
D-33	45
E-33	45
F-33	45
G-33	45
214	42
215	42
222	11
223	11
224	11
225	11
226	11
228	11
230	11
232	11
235	11
240	11
301	5
302	5
303	5
304	5
305	5
306	5
307	5
308	5
309	5
310	5
311	5
312	5
313	5
314	5
315	5
316	6
317	6
318	6
319	6
320	6
321	6
322	6
323	6
324	6
325	6
326	6
327	6
328	6
329	6
330	7
331	7
332	7
333	7
334	7
335	7
336	7
337	7
338	7
339	7
340	7
341	7
342	7
343	7
344	7
345	7
346	7
347	7
348	7
349	7
350	7
351	8
352	8
353	8
354	8
355	8
356	8
357	8
358	8
359	8
360	8
363	8
364	8
365	8
366	8
367	8
368	8
369	8
370	8
371	8
372	8
373	8
376	5
377	5
378	5
379	5
380	5
381	5
382	5
383	5
384	5
385	5
386	5
387	5
388	5
389	5
390	5
391	5
392	5
393	5
394	5
395	5
396	5
397	5
398	5
399	5
400	6
401	6
402	6
403	6
404	6
405	6
406	6
407	6
408	6
409	6
410	6
411	6
412	6
413	6
414	6
415	6
416	6
417	6
418	6
419	6
420	6
421	6
422	6
423	6
424	8
425	8
426	8
427	8
428	8
429	8
430	8
431	8
432	8
433	8
434	8
435	8
436	8
437	8
438	7
439	7
440	7
441	7
442	7
443	7
444	7
445	7
446	7
447	7
448	7
449	7
450	7
451	7
452	7
453	7
454	7
455	7
456	7
457	7
458	7
459	9
460	9
461	9
462	9
463	9
464	9

INDEX

Catalog number	Page number
465	9
466	9
467	9
468	9
505	45
506	42
507	42
508	41
510	41
511	41
512	41
513	42
514	42
515	42
521	46
524	46
527	42
528	43
529	43
530	43
531	43
532	43
533	46
534	43
535	46
536	43
537	43
538	44
540	41
541	41
543	46
544	44
545	44
546	44
547	44
548	44
549	46
550	41
560	47
561	47
562	45
565	43
566	48
570	41
571	47
573	47
575	47
577	46
578	46
579	48
592	49
620	26–27
621	23
621-L	23
622	28
624	28
631	17
635	29
638	29
639	29
641	18
641-L	24–25
642-T	24–25
655	22
656	20
658	21
659	19
660	20
661	21
666	22
670	50
700	51
800	49
1001	35
1002	35
1003	35
1004	35
1005	35
1006	35
1007	35
1008	35
1009	35
1010	35
1011	35
1012	35
1013	35
1014	35
1015	35
1016	35
1017	35
1018	35
1019	35
1020	35
1021	35
1022	35
1023	35
1024	35
1025	35
1026	35
1101	37
1102	37
1103	37
1104	37
1105	37
1106	37
1107	37
1108	37
1109	37
1110	37
1111	37
1112	37
1113	37
1114	37
1115	37
1116	37
1117	37
1201	38
1202	38
1203	38
1204	38
1205	38
1206	38
1207	38
1208	38
1209	38
1210	38
1211	38
1212	38
1213	38
1214	38
1215	38
1216	38
1301	38
1302	38
1303	38
1304	38
1305	38
1306	38
1307	38
1308	38
1309	38
1310	38
1311	38
1312	38
1313	38
1314	38
1315	38
1316	38
1317	38
1318	38
1319	38
1320	38
1401	14
1402	14
1403	14
1404	14
1405	14
1406	14
1407	14
1408	14
1409	14
1410	14
1411	14
1412	14
1413	14
1414	14
5002	49
5003	49
5004	49
5005	49
5006	49
0510	51
0512	51
0514	51
0515	51
0537	51
0550	51
0565	48

MEMORANDA

AVERY LIBRARY
COLUMBIA UNIVERSITY

PRODUCED BY
STEDDIFORD PITT COMPANY
NEW HAVEN, CONN.

AVERY LIBRARY
COLUMBIA UNIVERSITY

AT
2105
AN82
1925